# Service Manual

# 74 DP870/<sub>02B</sub> DP870 KBL, KGL, FBL, UBL Digital Processor



# TABLE OF CONTENTS

SECTION	
1. TECHNICAL SPECIFICATIONS	1
2. TECHNICAL DESCRIPTION	2
3. SIGNAL AND CIRCUIT DESCRIPTION	
4. BLOCK DIAGRAM	
5. SCHEMATIC DIAGRAM AND PARTS LOCATION (Pattern Side)	
6. IC BLOCK DIAGRAMS	
7. EXPLODED VIEW AND PARTS LIST	32
8. ELECTRICAL PARTS LIST	

Please use this service manual with referring to the user guide (D.F.U) without fail. 修理の際は、必ず取扱説明書を準備し操作方法を確認の上作業を行ってください。



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The following information must be supplied to eliminate delays in processing your order:

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- 3. Description of parts
- 4. Model number for which part is required
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#### SINGAPORE

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29, LENG KEE ROAD SINGAPORE I 59099. PHONE: +65 475 - 4555

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#### SHOCK, FIRE HAZARD SERVICE TEST:

CAUTION: After servicing this appliance and prior to returning to customer, measure the resistance between either primary AC cord connector pins ( with unit NOT connected to AC mains and its Power switch ON ), and the face or Front Panel of product and controls and chassis bottom.

Any resistance measurement less than 1 Megohms should cause unit to be repaired or corrected before AC power is applied, and verified before it is return to the user/customer.

Ref. UL Standard NO. 1492.

In case of difficulties, do not hesitate to contact the Technical Department at above mentioned address.

#### 1. TECHNICAL SPECIFICATIONS

Output Level/Output Impedance

MAIN L/R, CENTER, SURROUND L/R

1 KHz, 0 dB INPUT

0~3.5 V / 500 Ω

SUBWOOFER

50 Hz, 0 dB INPUT

0~9 V / 500 Ω

Input Impedance (RF, COAXIAL) 75 Ω

**Frequency Response** 

MAIN L/R, CENTER, SURROUND L/R (LARGE)

20 Hz-20 KHz

±0.5dB

**Total Harmonic Distortion** 

MAIN L/R, CENTER, SURROUND L/R (1 KHz) 0.01% or less

SUBWOOFER (50 Hz)

0.1% or less

Signal to Noise Ratio (IHF-A)

98 dB 80 dB

Channel Separation (1 KHz)

30 W

Power Consumption

200 W max.

AC OUTLET: UNSWITCHED Dimensions (W/H/D)

17-3/8 in x 3-3/8 in x 10-7/8 in

444 mm x 85 mm x 303 mm(MAX)

Weight

9.4 lds. (4.2 kg.)

Filter Characteristics

MAIN L/R, CENTER, SURROUND L/R (SMALL)

H.P.F.

fc=100 Hz, 12 dB/oct.

**SUBWOOFER** 

L.P.F.

fc=100 Hz, 24 dB/oct.

Specifications and components are subject to change without notice.

Overall performance will be maintained or improved.

Note: "RESET" operation is necessary to initialize the microprocessor (QL01) after every repaier.

"RESET" procedures is follow.

Short "B-RST" terminals on the Side-B of PCB (P604) in a couple of seconds.

注意:修理後、マイコンを初期化するために、必ず、リセット操作をして下さい。

リセットの仕方は 以下の通りです。

電源OFFの状態で、基板 (P604)のSide-BにあるB-RST端子を 2-3秒間ショートして下さい。

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"Dolby", "AC-3" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

#### 2. TECHNICAL DESCRIPTION

This product is a "Dolby Digital (AC-3)" decoder. By connecting this product with a Dolby digital compatible component equipped with the Dolby AC-3 RF output such as a LD player, DVD player or DBS tuner, it will be capable

of 5.1 CH (Front L/R, Rear L/R, Center and Sub-woofer) play.

This product is composed approximately of 5 blocks including the AC-3 decoder block (P604), DAC & crossover block (PD04), power supply block (P804), volume control block (PV04) and front key input block (PU04).

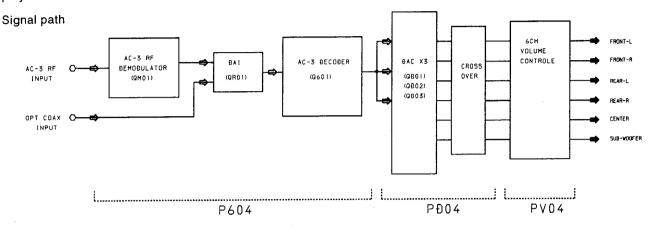
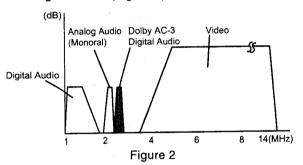


Figure 1

#### 3. SIGNAL AND CIRCUIT DESCRIPTION

#### AC-3 RF

This signal is based on the Dolby Digital format for Laser Discs, and contains the AC-3 signal inserted in one of the analog audio channels of LD. See diagram below (Figure 2).



With this signal, the RF signal from the LD player (the signal read out with the pickup) is output as it is.

#### OPT/COAX (AC-3/PCM input)

This signal is based on an additional format for transmitting the AC-3 data through the conventional digital audio interface (SPDIF). In case of PCM signal, this signal contains the compressed AC-3 data overlapped in the audio data section. Similarly to the case of ROM data, whether the data is audio or non-audio is identified according to the status in the signal. This signal can be output from a DVD player, etc.

#### AC-3 RF modulator

This circuit extracts the AC-3 data band from the RF signal output from a LD player using a BPF and converts the extracted data into the digital signal in the SPDIF format by means of QPSK modulation.

#### DAI (Digital Audio Interface) receiver

This circuit extracts various clock and data signals from the signal input in the SPDIF format.

#### AC-3 decoder DSP

This circuit generates the 6-channel data (Front L/ R, Rear L/R, Center and LFE) based on the data output from the DAI, and outputs the 6-channel data to the DAC as 3 sets of 2-channel data.

#### Crossover

This circuit divides the signal output of no more than 100 Hz according to the low-frequency reproduction capability of the speakers used by the user. It is controlled according to the switching of the HPF of each channel, mixing in the sub-woofer channel, etc.

#### 2. 技術説明

本製品は"DOLBY DIGITAL(AC-3)"用DECODERである。

DOLBY AC-3 RF出力付LD PLAYER, DVD PLAYER, DBSなどのDOLBY DIGITAL 対応機器と接続する事により5.1CH(FRONT L/R, REAR L/R, CENTER, SUB-WOOFER)再生を行う。

本製品は大きく分けるとAC-3 DECODER部(P604), DAC & CROSSOVER部(P004), POWER SUPPLY部(P804), VOLUME CONTROL部(PV04), FRONT KEY 入力部(PU04)など5のBLOCKにて構成される。信号経路図参照 Figure 1

# 3. 各種信号及び回路BLOCK説明

#### AC-3 RF

DOLBY DIGITALのLASER DISC用フォーマットであり、LDのANALOG 音声部の片CHに、AC-3用の信号を入れたものである。図参照 (Figure 2)

LD PLAYERのRF信号(PICKUPの読み取り信号)がそのまま出力されてくる。

#### OPT/COAX(AC-3/PCM INPUT)

従来のDIGITAL AUDIO INTERFACE (SPDIF)を用いてAC-3用DATAを送信する追加フォーマット。

PCMの場合の音声DATA部にAC-3の圧縮DATAを乗せた信号である。 ROM DATAの場合と同様に信号内のSTATUSにより、音声DATAか、非音声DATAかを識別する。

DVD PLAYERなどが出力機能を持っている。

#### AC-3 RF DEMODULATOR

LD PLAYERから出力されたRF信号内のAC-3 DATA帯域をBPFにより 抽出し、QPSK変調によりSPDIFフォーマットのDIGITAL信号へ変換 する。

#### DAI (DIGITAL AUDIO INTERFACE RECEIVER)

SPDIFフォーマットにて入力された信号から各種CLOCK, DATAを抽出する。

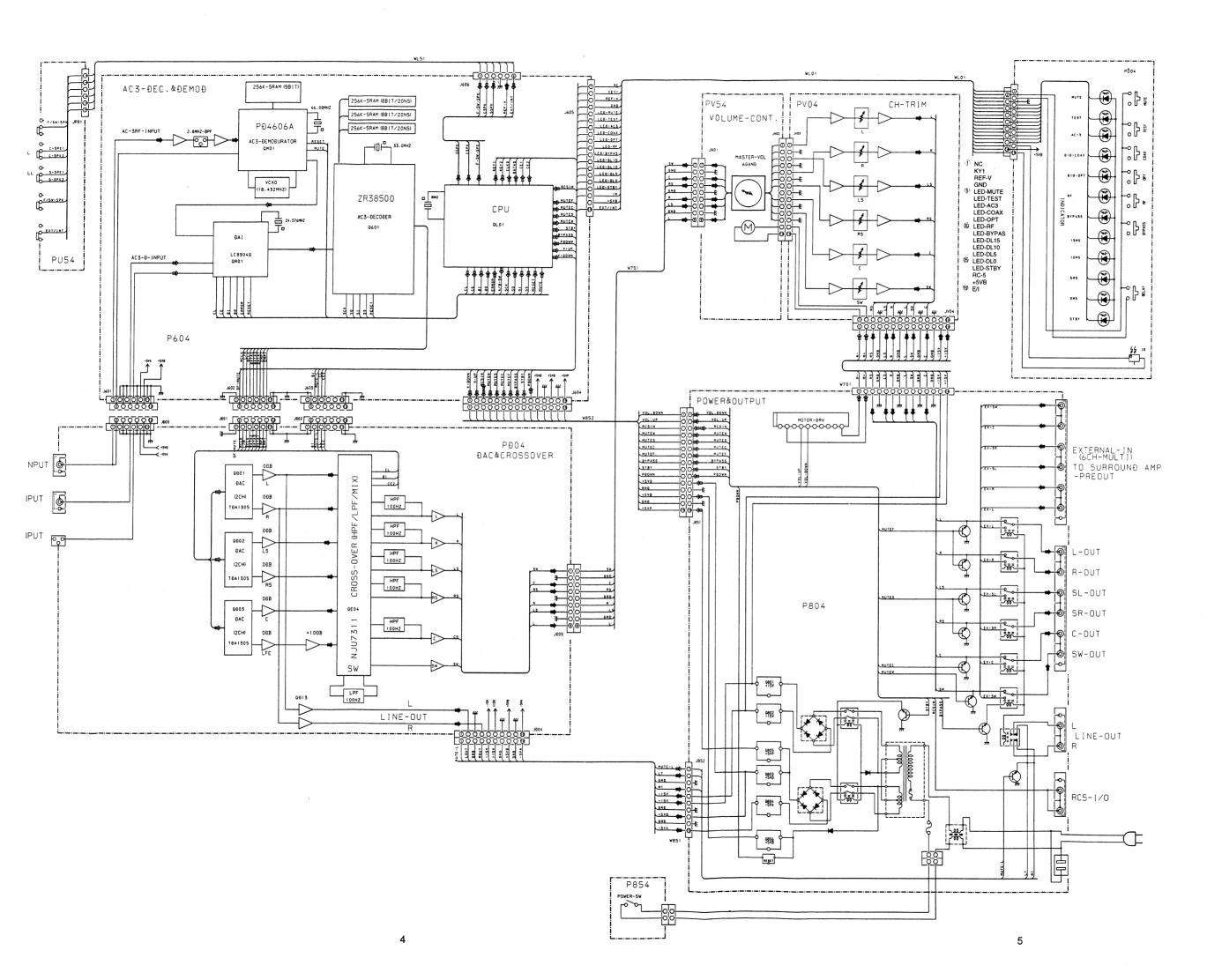
#### AC-3 DECODE DSP

DAIから出力されるDATAから6CH-DATA(FRONT L/R, REAR L/R, CENTER, LFE)を生成する。そして2CH-DATA x3としてDACへ出力する。

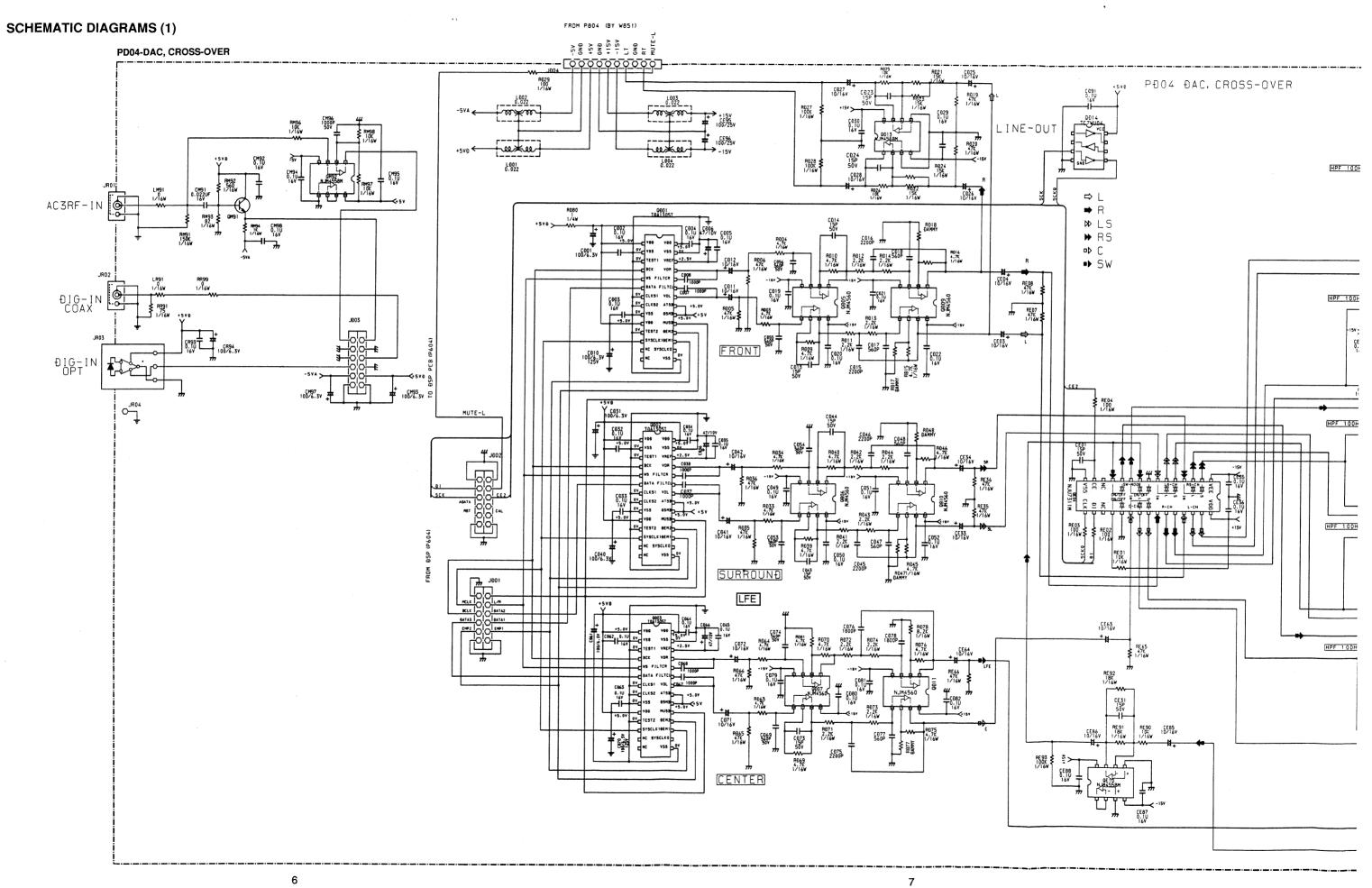
# CROSS OVER

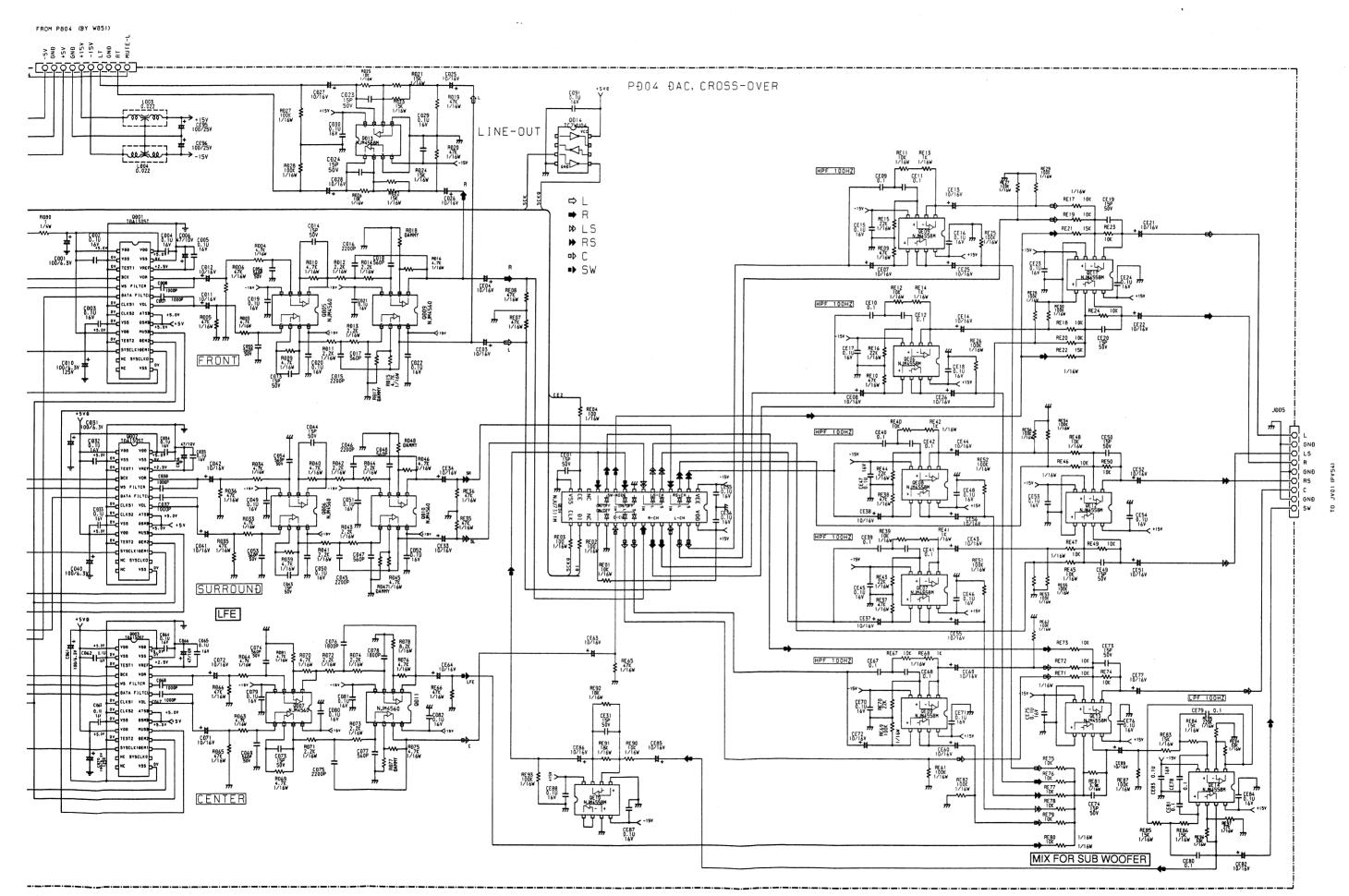
USERが使用するSPEAKERの低域再生能力によって100Hz以下の信号の出力分割を行う。各CHのHPFの切り替え、SUB-WOOFER CHへのMIX等によりコントロールされる。

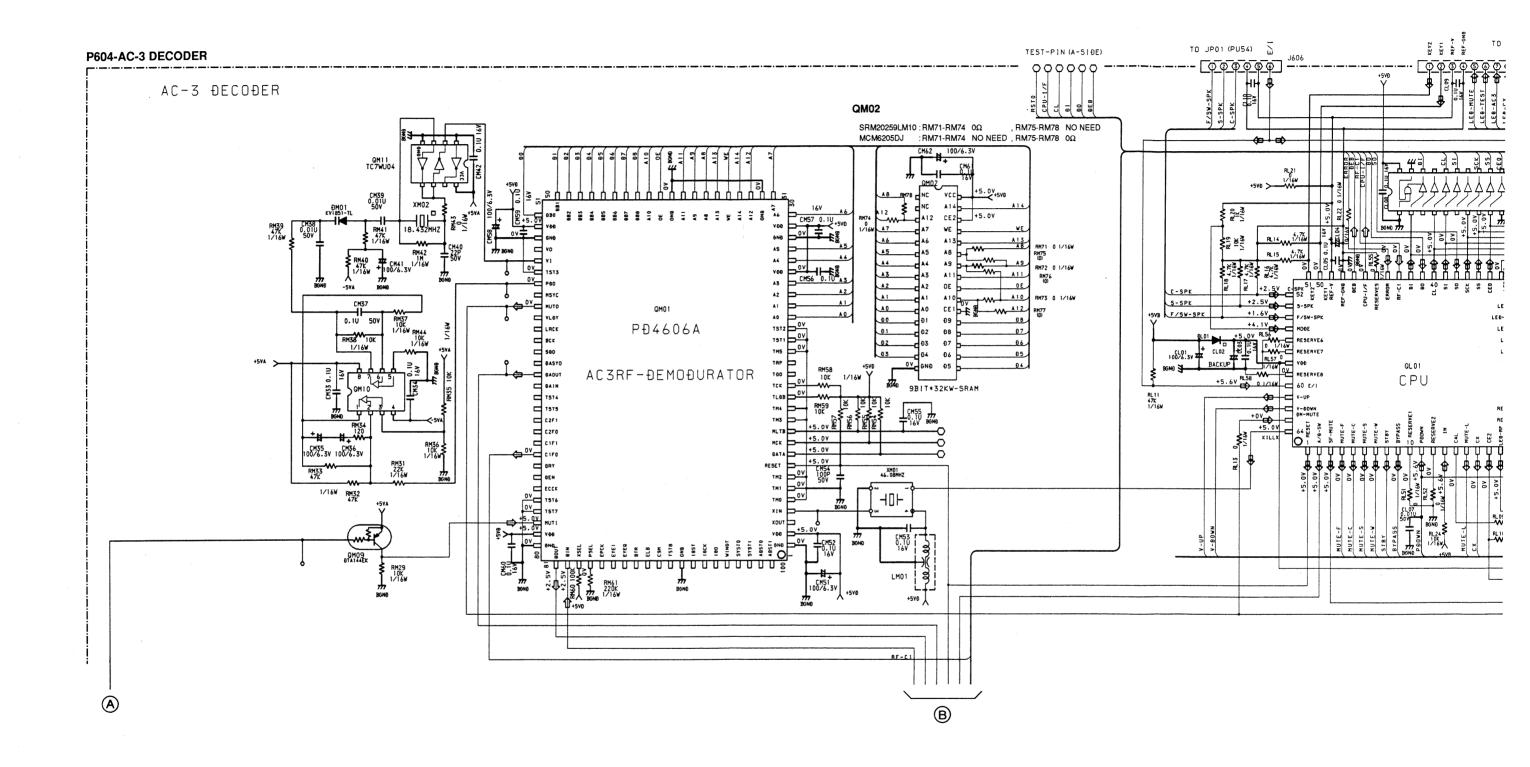
4. BLOCK DIAGRAM 256K-SRAM (9B1T) AC3-DEC.&DEMOD 256K-SRAM (BB1T/20N5) PV54 VOLUME-CONT. FRONT-SPK LARGE/SMALL PĐ4606A 256K-SRAM (881T/20NS) AC3-REMODURATOR CENTER-SPK →DF→ 33.0MHZ SURR-SPK LARGE/NONE/SMAL VCX0 ZR38500 CPU AC3-DECODER RC-5 INT/EXT AC3-0-INPUT PU54 P604 POWER&OUTPUT PÐ04 ÐAC&CROSSOVER AC-3RF-INPUT (HPF/LPF/MIX) ĐAC (2CH) SPÐIF-INPUT HPF 100HZ COAX HPF 100HZ SPDIF-INPUT Q-D-02 CROSS-OVER ĐẠC HPF 100HZ (2CH) HPF 100HZ 9003 QE 04 DAC HPF 100HZ (2CH) OĐB SW LPF 100HZ LINE-DUT P854

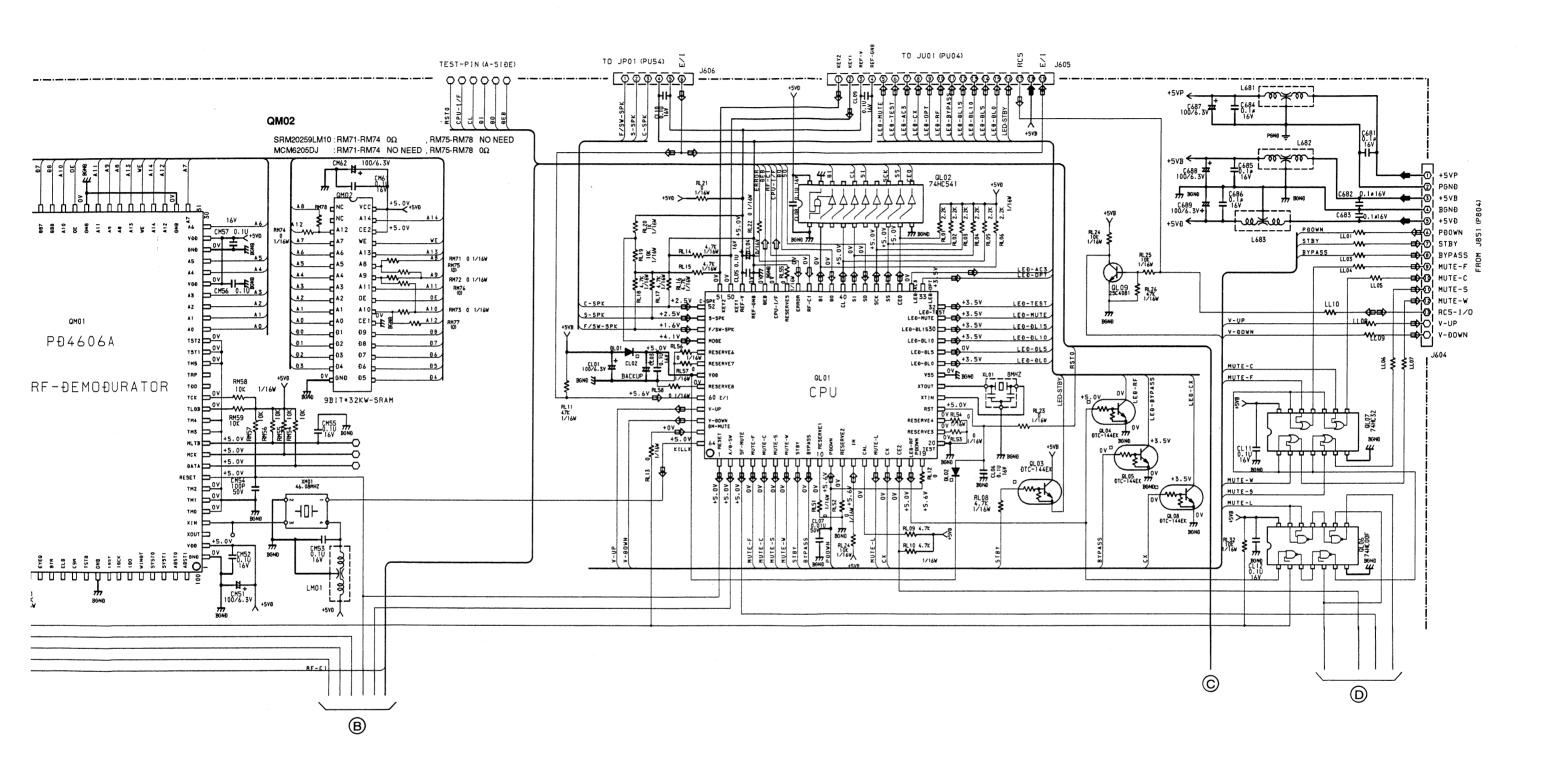


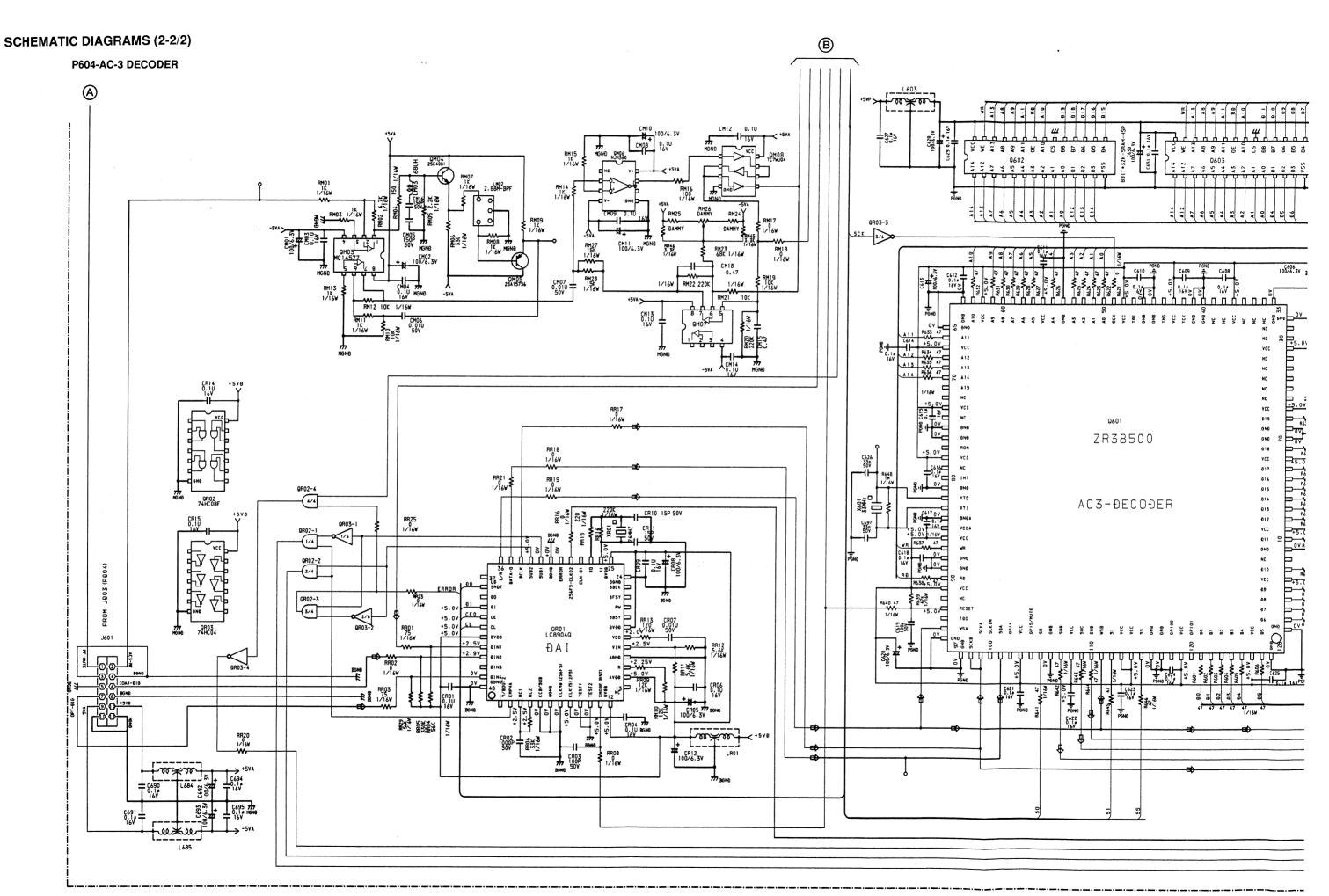
# 5. SCHEMATIC DIAGRAM AND PARTS LOCATION (Pattern Side)

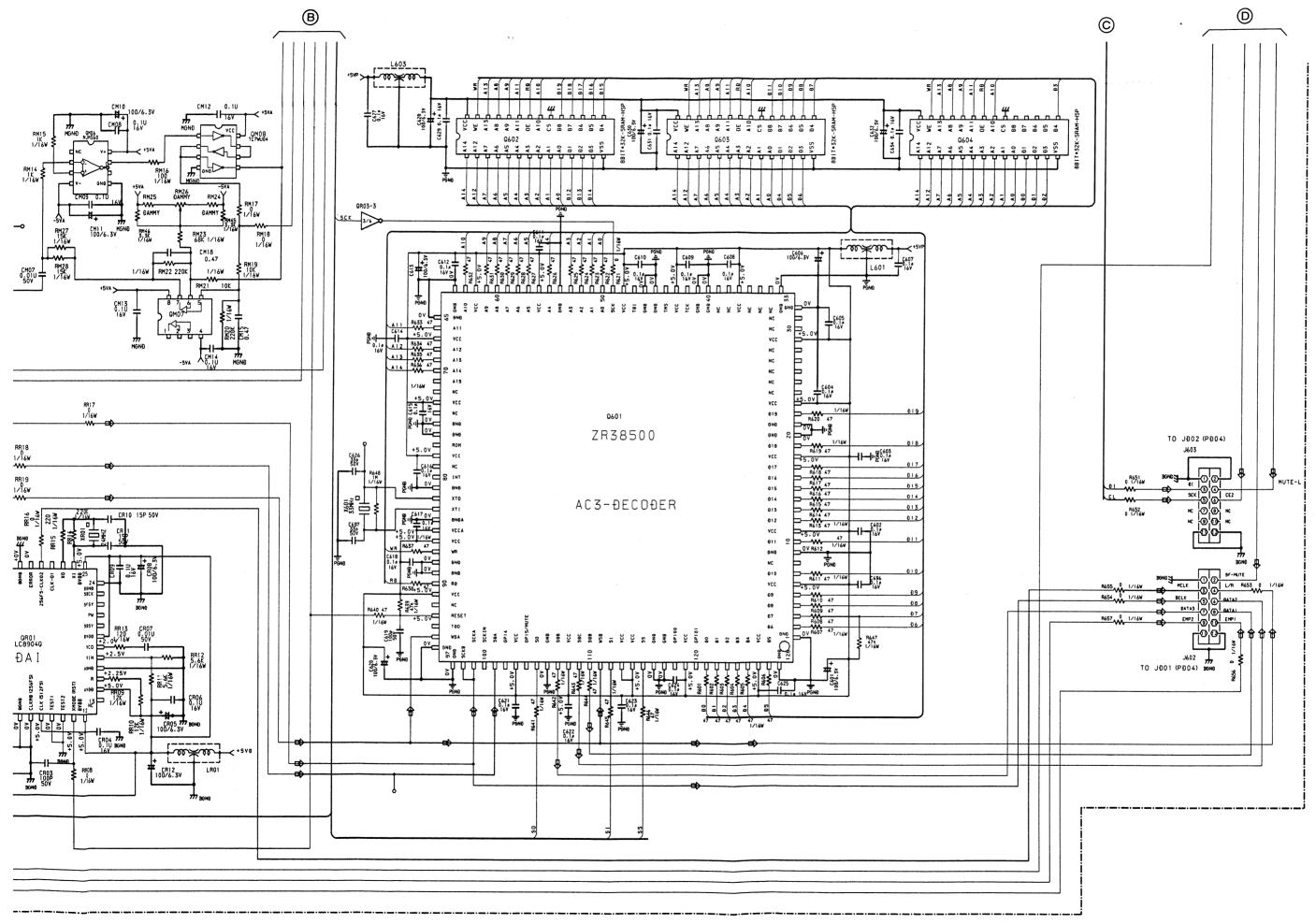


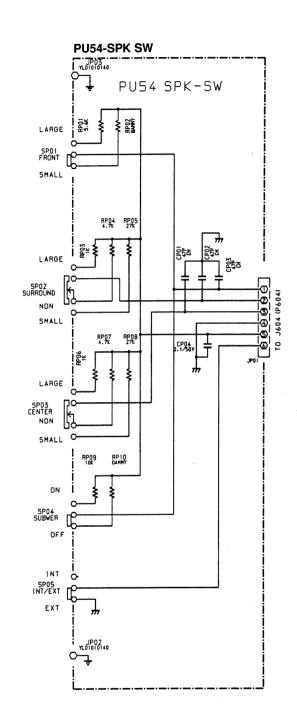


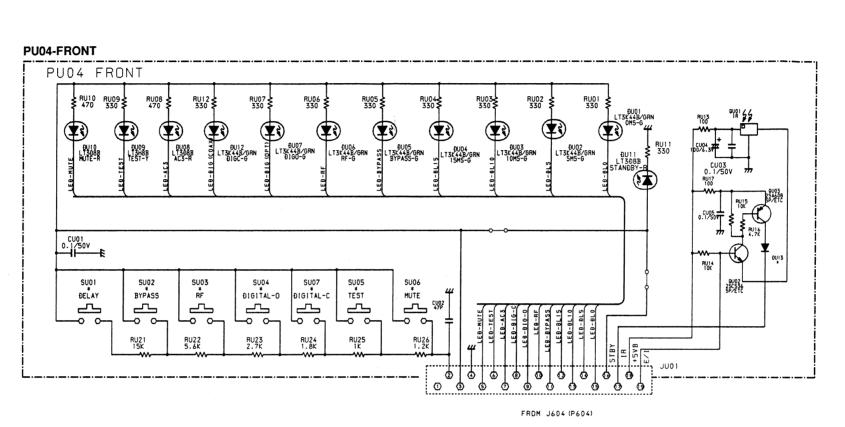


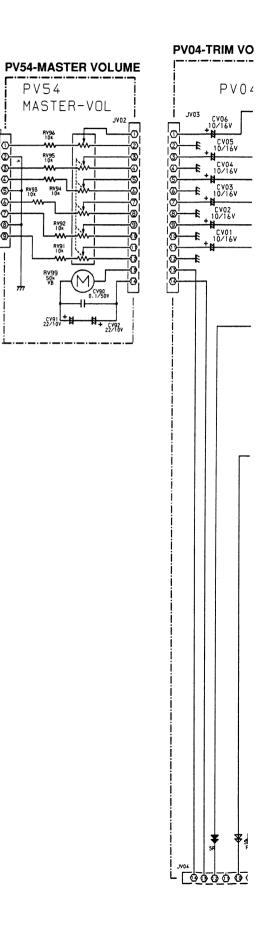






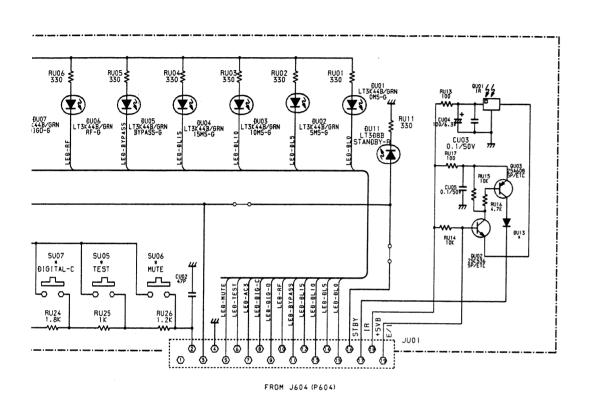


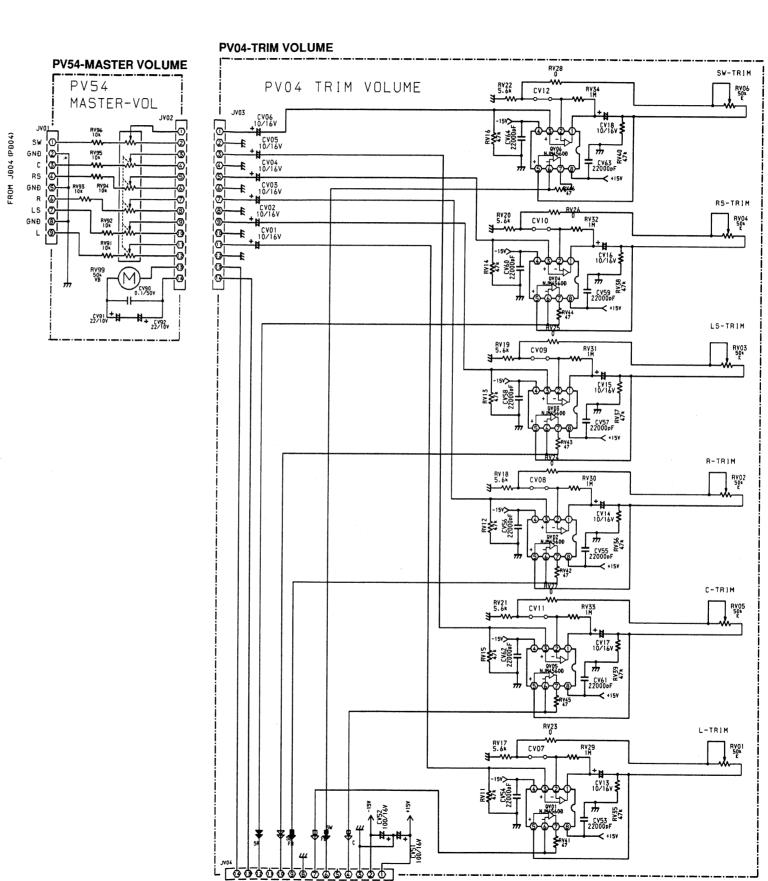


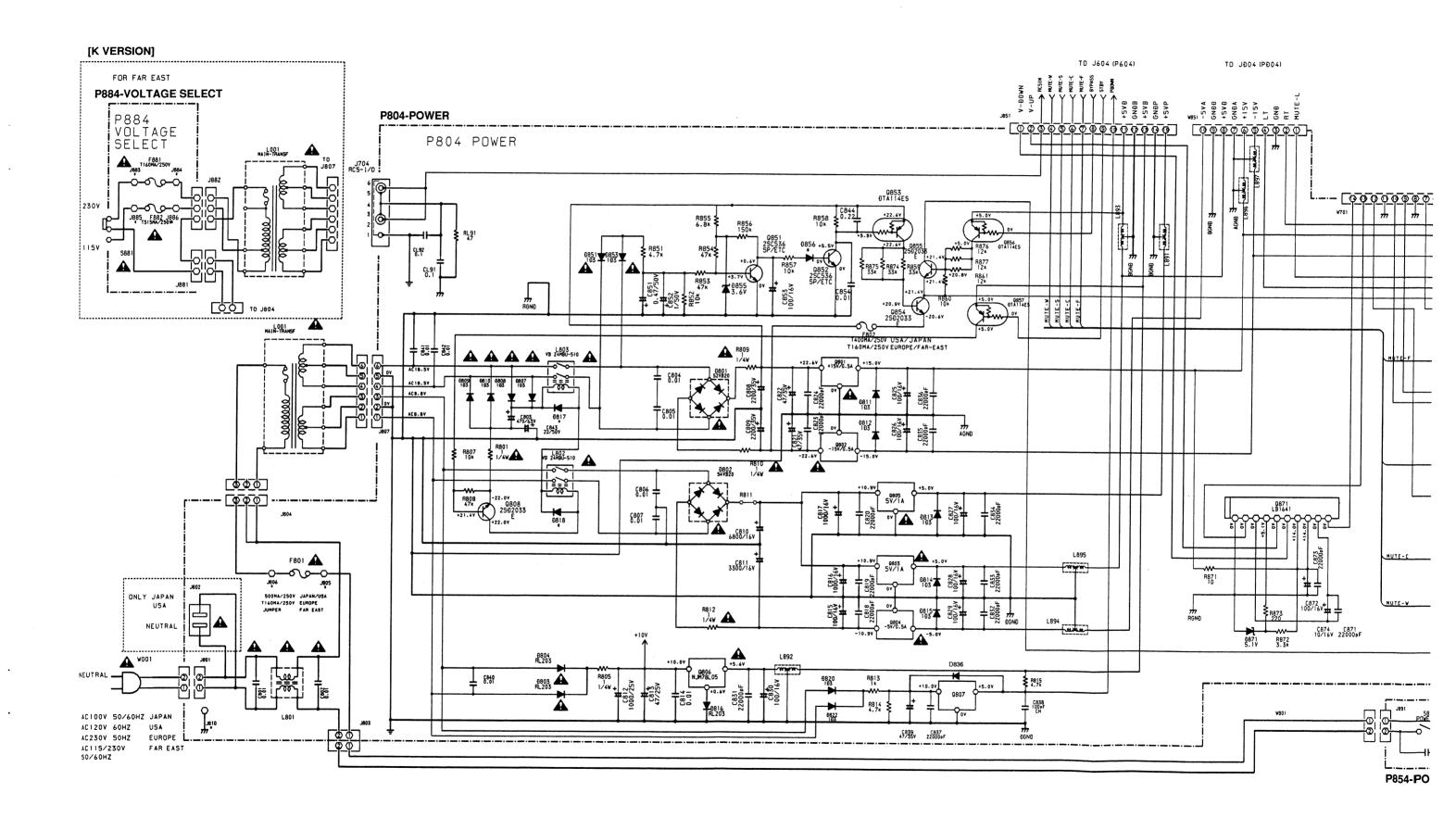


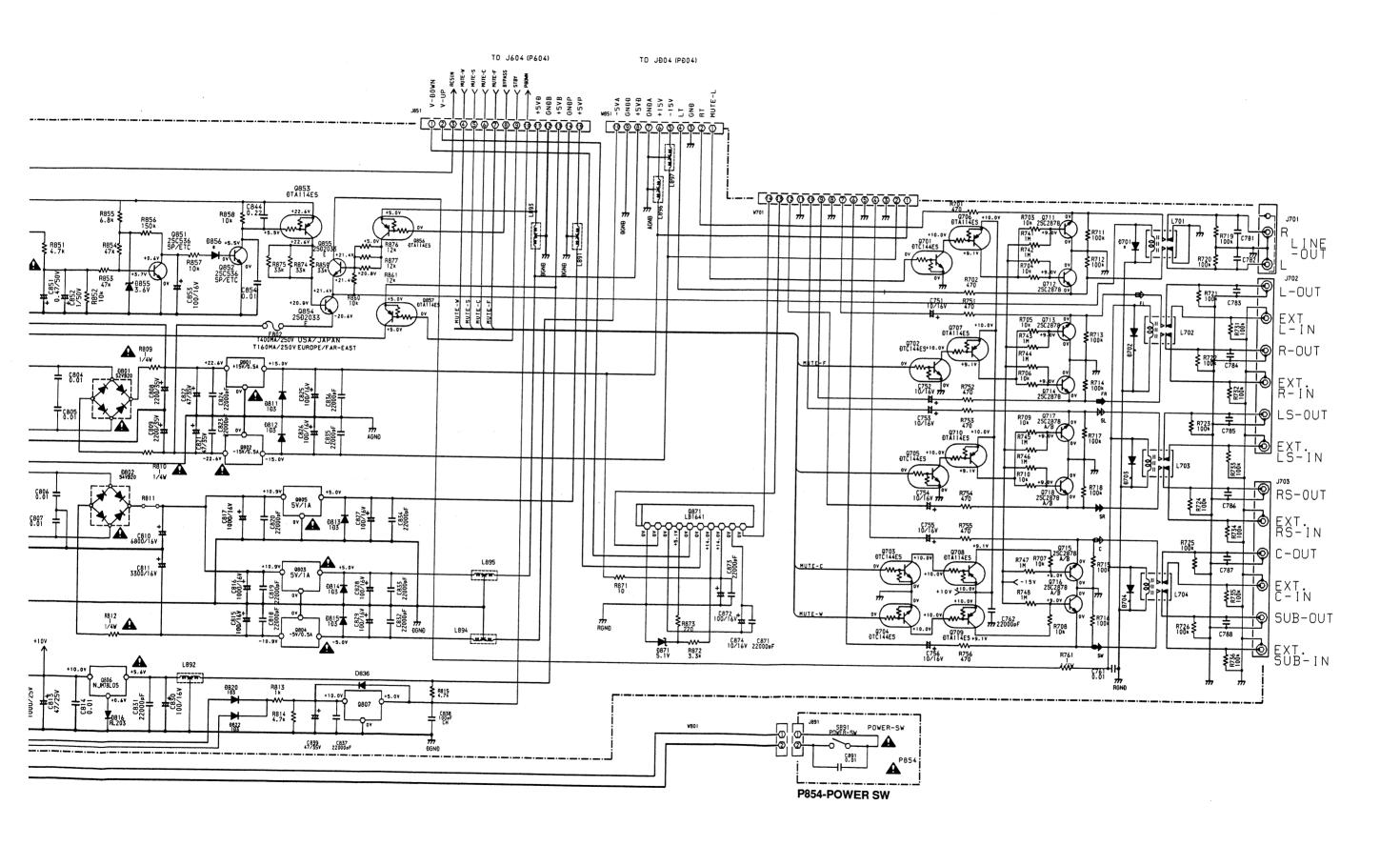
PV54

MASTER-VOL



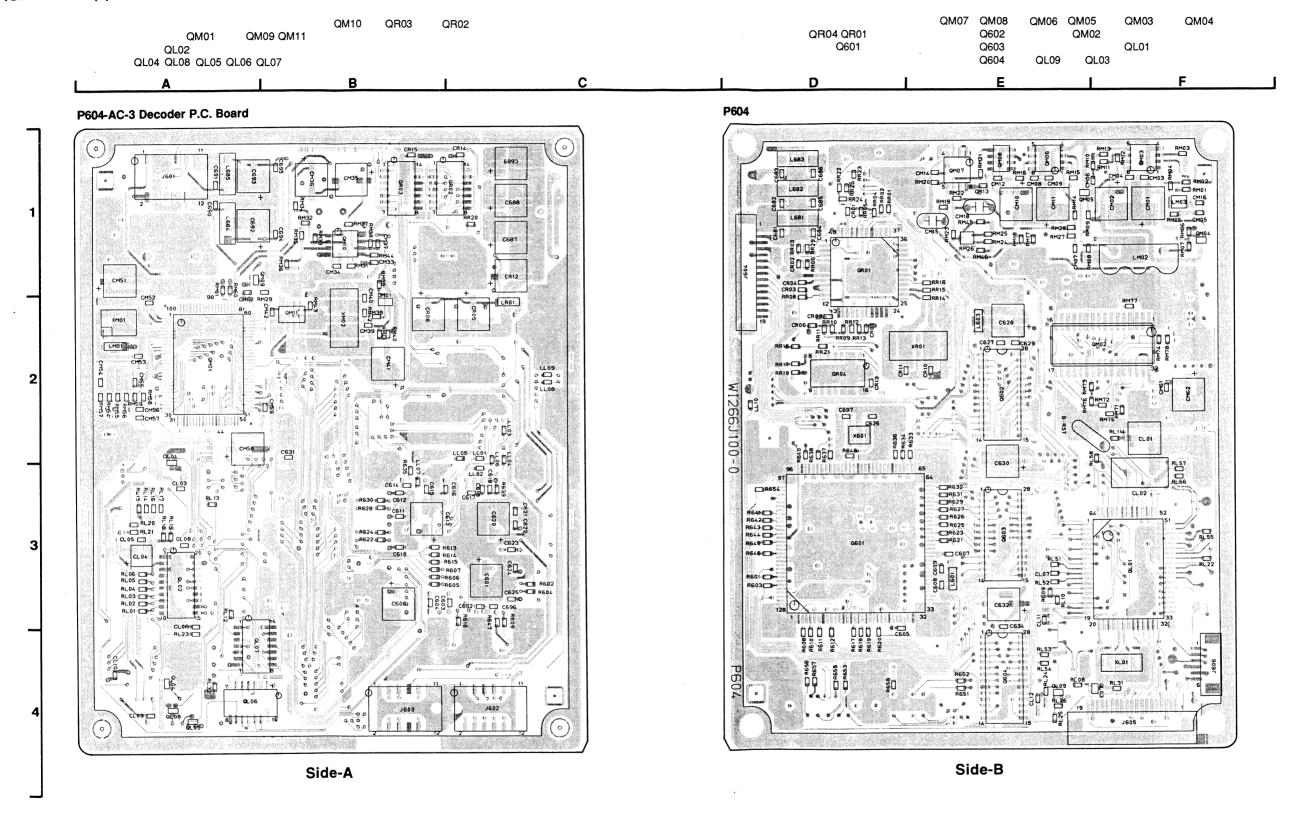






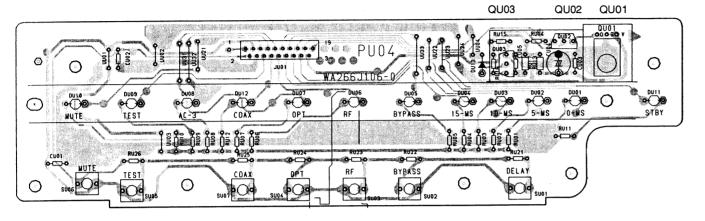
QR91 QM91 QM92 QD01 QD05 QD09 QA01 QD03 QD07 QD11 QA03 QA02 QD02 QD06 QD10 QD14 QE11 QD13 QE03 QE04 QE10 QE14 QE12 QE06 QE13 QE07 QE05 QE09 QE08 PD04-DAC, Cross-Over P.C. Board

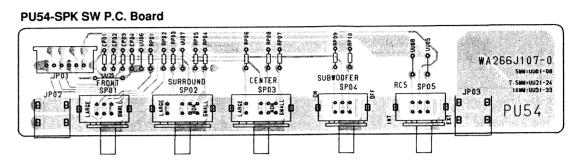
21 PCS 88 456



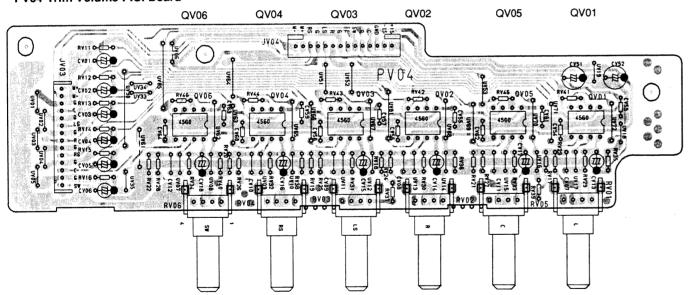
# P.C. BOARDS (3)

#### PU04-Front P.C. Board

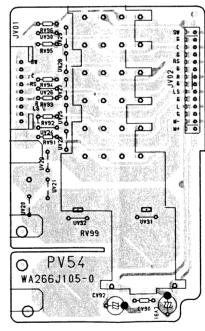




# PV04-Trim Volume P.C. Board

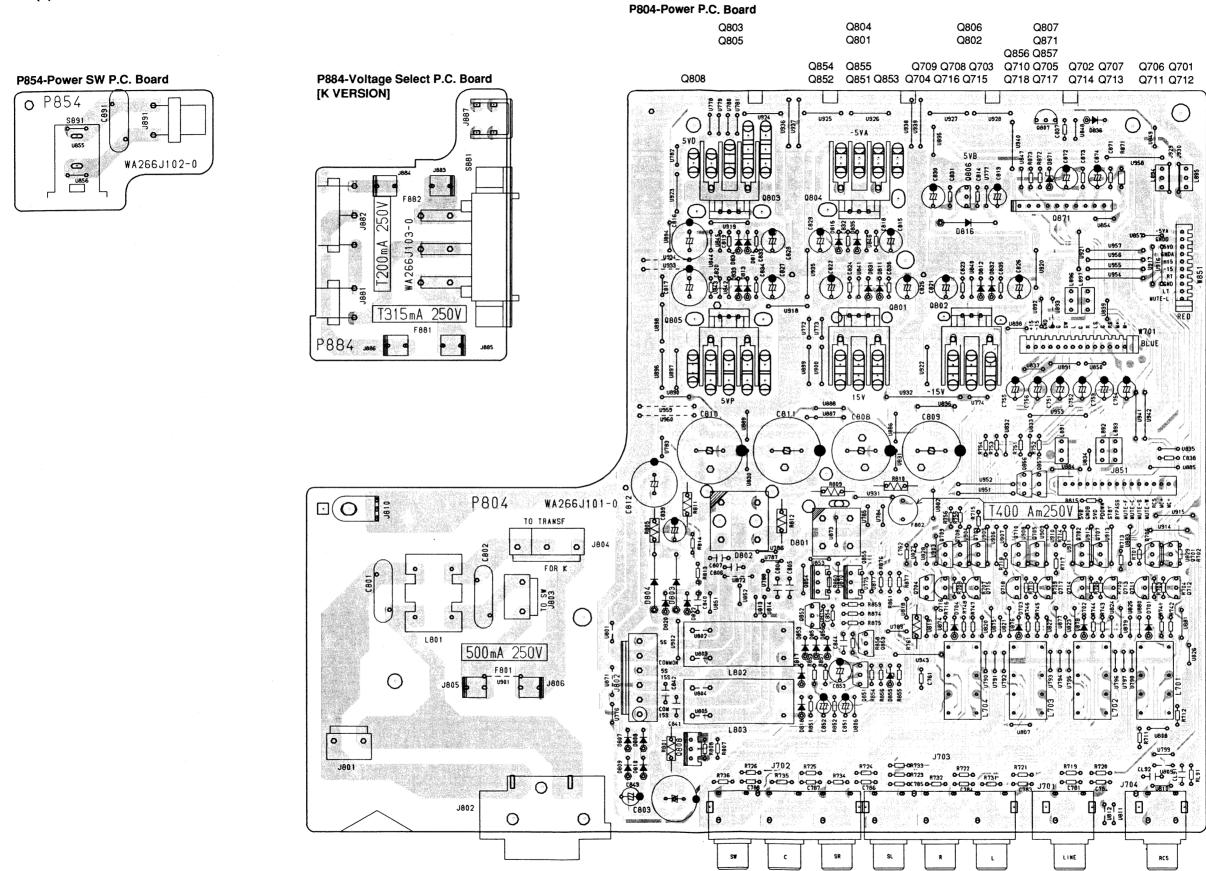


# PV54-Master Volume P.C. Board



# P.C. BOARDS (4)

PCS 88 459



# 6. IC BLOCK DIAGRAMS

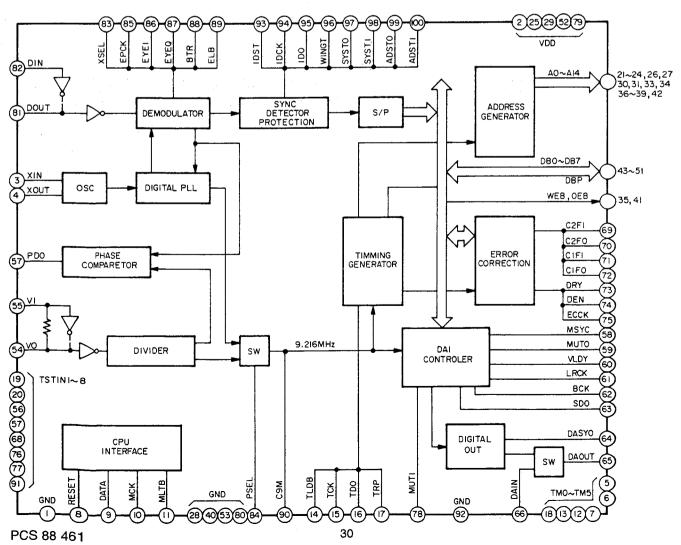
<u>QM01</u> T	ERMIMA	L FAN	ICTIONS
	Pin Name	1/0	Pin Function
1	GND	-	Ground (0V).
2	VDD	-	Power supply (+5V).
3	XOUT	0	X'tal oscillator output. X'tal oscillator input.
<u>4</u> 5	XIN TM0		IC test mode setting terminal. Usually no connection.
6	TM1	<u> </u>	IC test mode setting terminal. Usually no connection.
7	TM2		IC test mode setting terminal. Usually no connection.
8	RESET	i i	System reset terminal. Reset with "L". Goes "L" temporarily after power is turned ON.
9	DATA	ı	Serial data input from CPU. (LSB first)
10	MCK	ı	Serial clock input from CPU. Data is latched at the positive-going edge of the clock.
11	ML TB	_	CPU input latch. Latches the serial data (8 bits at a time) from the CPU into a register.
12	TM3	1	IC test mode setting terminal. Usually no connection.
13	TM4	1	IC test mode setting terminal. Usually no connection.
14	TLDB		Tag code load signal. "L" loads tag code in a 16-bit shift register.  Tag code output clock. Data is output at the positive-going edge of the clock.
15	TCK TDO	0	Tag code output clock. Data is output at the positive-going edge of the clock.  Tag code serial data output. (MSB first)
16 17	TRP	0	Tag code senar data output: (wob inst)  Tag code update signal. Goes "H" when no error is found in the tag codes after the correction
''	1111		operation of each block.
18	TM5		IC test mode setting terminal. Usually no connection.
19	TSTIN1	1	IC test terminal. Usually no connection.
20	TSTIN2	ı	IC test terminal. Usually no connection.
21	A0	0	External RAM address output. Address 0 (LSB).
22	A1	0	External RAM address output. Address 1.
23	A2	0	External RAM address output. Address 2.
24	A3	0	External RAM address output. Address 3.
25	VDD	-	Power supply (+5V).  External RAM address output. Address 4.
26 27	A4 A5	0	External RAM address output. Address 5.
28	GND	-	Ground (OV).
29	VDD	-	Power supply (+5V).
30	A6	0	External RAM address output. Address 6.
31	A7	0	External RAM address output. Address 7.
32	GND	-	Ground (0V).
33	A12	0	External RAM address output. Address 12.
34	A14	0	External RAM address output. Address 14 (MSB).
35	WEB	0	External RAM write enable output. "L" active.
36	A13	0	External RAM address output. Address 13.  External RAM address output. Address 8.
37 38	A8 A9	0	External RAM address output. Address 6.
39	A11	0	External RAM address output. Address 11.
40	GND	-	Ground (OV).
41	OEB	0	External RAM output enable output. "L" active.
42	A10	0	External RAM address output. Address 10.
43	DBP	1/0	External RAM data terminal. For use as the erasure pointer.
44	DB7	1/0	External RAM data terminal. Data path 7.
45	DB6	1/0	External RAM data terminal. Data path 6.
46	DB5	1/0	External RAM data terminal. Data path 5.
47	DB4	1/0	External RAM data terminal. Data path 4.  External RAM data terminal. Data path 3.
48	DB3 DB2	1/0	External RAM data terminal. Data path 3.  External RAM data terminal. Data path 2.
49 50	DB2 DB1	1/0	External RAM data terminal. Data path 1.
51	DBO	1/0	External RAM data terminal. Data path 0.
52	VDD	-	Power supply (+5V).
53	GND	-	Ground (0V).
54	V0	0	VCXO output.
55	V1	I	VCXO input.
56	TSTIN3	<u> </u>	IC test terminal. Usually no connection.
57	PDO	0	Phase comparator output (3-state).
58	MSYC	0	"H" with AC-3 sync signal. For use in monitoring.  Muting output. "H" for muting. Goes "H" when "MUTI = H" or the AC-3 signal is out of sync.
59 60	MUTO VLDY	0	Validity flag output. "L" indicate correct data and "H" indicates a possibility of error.
61	LRCK	0	L/R channel switching clock. 48kHz. "H" for L CH.
62	BCK	0	Bit clock, 3.072MHz.
63	SDO	0	Serial data output.
64	DASYO	0	Digital output preamble B identification signal.
65	DAOUT	0	Digital output.
66	DAIN		Digital audio interface signal input. The digital output which has been processed inside the IC or the
			signal from "DAIN" is selected according to the internal register setting and output at "DAOUT".
67	TSTIN4	<u> </u>	IC test terminal. Usually no connection.
68	TSTIN5		IC test terminal. Usually no connection.  C2 correction error state indication. Output indicating where correction completed or not.
69	C2F1 C2F0	0	C2 correction error state indication. Output indicating where correction completed or not.  C2 correction error state indication. Output indicating the number of errors in C2.
70	UZFU	<u>,                                    </u>	Oz contection entri state marcation. Output indicating the number of entris in Oz.

29

PCS 88 460

Pin No.	Pin Name	1/0	Pin Function
71	C1F1	0	C1 correction error state indication. Output indicating whether an error is present or not in C1.
72	C1F0	0	C1 correction error state indication. Output indicating the number of errors in C1.
73	DRY	0	Error corrector monitoring signal.
74	DEN	0	Error corrector monitoring signal.
75	ECCK	0	Error corrector clock. 576kHz.
76	TSTIN6	Ι.	IC test terminal. Usually no connection.
77	TSTIN7	1	IC test terminal. Usually no connection.
78	MUT1	ı	Muting input. "H" for muting.
79	VDD	•	Power supply (+5V).
80	GND	-	Ground (OV).
81	DOUT	0	QPSK inverted output.
82	DIN	1	QPSK signal input.
83	XSEL	I	X'tal select signal. "H" for using it.
84	PSEL	1	PLL select signal. "H" for using it.
85	EPCK	0	QPSK eye pattern clock. 288 kHz.
86	EYE1	0	Eye pattern output: Phase I.
87	EYEQ	0	Eye pattern output: Phase Q.
88	BTR	0	
89	ELB	0	
90	C9M	0	9.216MHz
91	TSTIN8	ı	IC test terminal. Usually no connection.
92	GND	-	Ground (OV)
93	IDST	0	ID start position indication signal.
94	IDCK	0	ID signal sampling clock. Data changes at the negative-positive edge of the clock. 576kHz.
95	IDO	0	ID data output (MSB first).
96	WINGT	0	Goes "L" during search for the sync signal of the correction block.
97	SYSR0	0	Indicates the sync signal lock status of the correction block.
98	SYST1	0	Indicates the sync signal lock status of the correction block.
99	ADST0	0	Indicates the ID address continuity status of the correction block.
100	ADST1	0	Indicates the ID address continuity status of the correction block.

# QM01: PD4606A

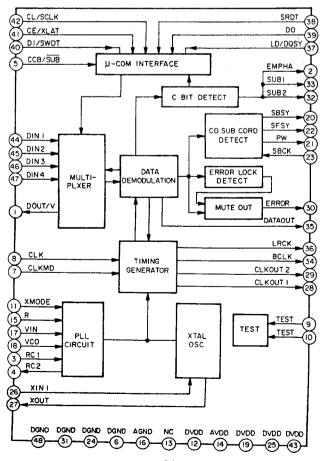


# QL01 (CPU) TERMIMAL FANCTIONS

	0. (0.	,		AL FANCTIONS
PIN No.	PORT	NAME	1/0	FUNCTION
1	P76	RESET	0	RESET OUTPUT to ZR38500,PD4606,LC8904Q L : RESET
2	P77	A/D-SW	0	INPUT AUDIO DATA SELECT SW H : DAI L : ADC
3	P00	SF-MUTE	0	Soft Mute OUTPUT to DAC L: MUTE H: normal
4	P01	MUTE-F	-	Front Ch MUTE OUTPUT H: MUTE L: normal
5	P02	MUTE-C	0	Center Ch MUTE OUTPUT H: MUTE L: normal
6	P03	MUTE-S	-	Surround Ch MUTE OUTPUT H: MUTE L: normal
7	P04	MUTE-W		SubWoofer Ch MUTE OUTPUT H: MUTE L: normal
8	P05	STBY	0	STAND BY CONTROL OUTPUT H: standby L: on
9	P06	BYPASS	0	Ext. AUDIO BYPASS CONTROLL OUTPUT H: Ext. L: Int.
10	P07	N.C.		N.C.
11	P10/INT0	P-DOWN	1	POWER-DOWN INPUT L : POWER-DOWN H : NORMALL
12	P11/INT1	N.C.		N.C.
13	P12/INT2	RC5INPUT	ı	RC-5 INPUT from IR & Ext. (ACTIVE : L)
14	P13/DVO	N.C.	0	N.C.
15	P14/PPG	MUTE-L	_	MUTE OUT for LINE OUT H: MUTE L: normal
16	P15/TC2	LED-COAX	0	DIGI-COAX INPUT SEL. LED H: LED ON L: OFF
17	P16	CE2		CHIP ENABLE OUTPUT to NJU7311M
18	P17	LED-RF	0	AC-3 RF INPUT SEL. LED H: LED ON L: OFF
19	P20/STOP	PDOWN	1	for BACKUP MODE L:BACKUP H:normal
20	TEST	GND	Ι	CONNECT TO GND
21	P21/XTI	N.C.		N.C.
22	P22/XTO	N.C.		N.C.
23	RESET	RST	1	CPU RESET L: RESET H: normal
24	XIN	XTIN	1	8. OMHz CERA-LOCK
25	XOUT	XTOUT	0	8. 0MHz CERA-LOCK
26	vss	GND		GND
27	P30	LED-DL0		S-DELAY 0ms LED L: LED ON H: OFF
28	P31	LED-DL5		S-DELAY 5ms LED L: LED ON H: OFF
29	P32	LED-DL10		S-DELAY 10ms LED L : LED ON H : OFF
30	P33 .	LED-DL15	0	S-DELAY 15ms LED L: LED ON H: OFF
31	P34			MUTE KEY MUTE LED H: LED ON L: OFF
32	P35			TEST TONE LED L: LED ON H: OFF
33	P36	LED-OPT	0	INPUT FUNC. OPT LED L: LED ON H: OFF

PIN	PORT	NAME	1/0	FUNCTION
No.			-	
34	P37	LED-AC3		INPUT FUNC. AC3 LOCK LED L : LED ON H : OFF
35	P40	CE0	0	CHIP ENABLE OUTPUT to DAI(LC8904Q)
36	P41	SS	0	SPI SLAVE SELECT OUTPUT to ZR38500
	P42/SCK1	SCK	0	
38	P43/SI1	SO	1	SPI DATA from ZR38500
39	P44/SO1	Si	0	SPI DATA to ZR38500 & NJU7311
40	P45/SCK2	CL	0	CLOCK OUTPUT TO DAI(LC8904Q)
41	P46/SI2	DO	-	DATA INPUT from DAI(LC8904Q)
42	P47/SO2	Di	0	DATA OUTPUT to DAI(LC8904Q)
43	P50/INT3	N.C	_	
44	P51/INT4	Error	1	Error INPUT from DAI(LC8904Q) H : Error L : normal
45	P52	N.C.		N.C.
46	P53	N.C.		N.C.
47	P54	N.C		N.C
48	VASS	refGND		Int. A/D ref GND
49	VAREF	ref+5.6V		Int. A/D ref Vdd
50	P60/AIN0	KEY1	Τ	FRONT KEY INPUT (7 KEYS)
51	P61/AIN1	KEY2	_	Option Keys
52	P62/AIN2	C-SPK	Т	CENTER SPK MODE LARGE/SMALL/NONE A/D INPUT
53	P63/AIN3	S-SPK	T	SURROUND SPK MODE LARGE/SMALL/NONE A/D INPUT
54	P64/AIN4	F/SW-SPK	Τ	FRONT, SubW SPK MODE LARGE/SMALL, ON/OFF A/D INPUT
55	P65/AIN5	MODE	1	CPU MODE SELECT (option mode) H: MZ L: HK
56	P66/AIN6	N.C		N.C
57	P67/AIN7	N.C		N.C
58	VDD	+5 <b>V</b>	1	+5V with BackUp Cap
59	P70	N.C.		N.C.
60	P71	Ext/Int	I	RC-5 MODE SW H: Internal L: External
61	P72	V-UP	0	VOLUME-CONT. : H L L
				: UP DOWN STOP
62	P73	V-DOWN	0	VOLUME-CONT. : L H L
63	P74	DM-MUTE	Τ	RF-MODULATOR-MUTE H: MUTE L: normal
64	P75	KILL-X	0	OSC-STOP L : STOP H : OSC

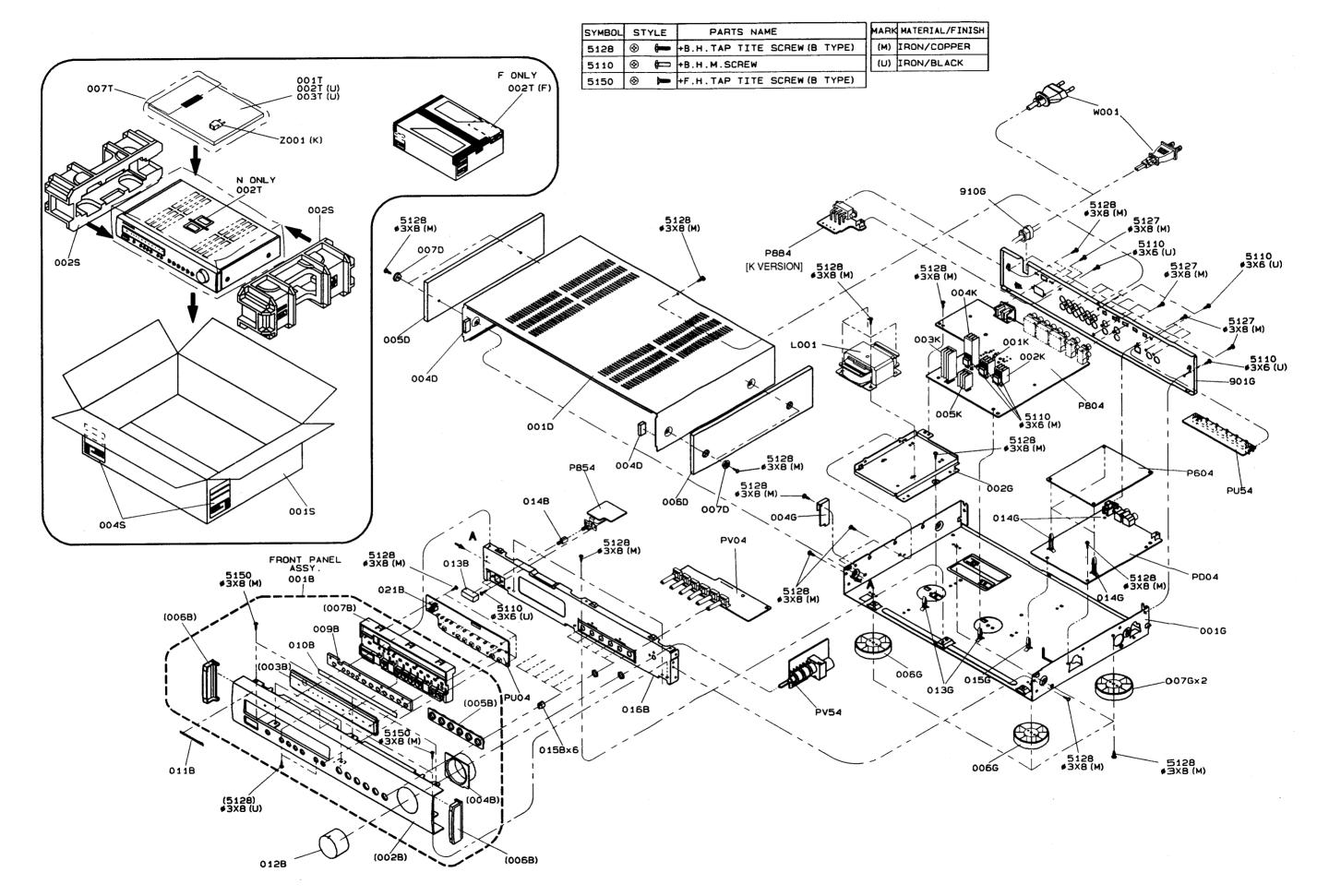
QR01: LC8904Q



# 7. EXPLODED VIEW AND PARTS LIST

			N, K:FAR EAST, **:EUROPE)	T
POS. NO	VERS. PART NO. COLOR (FOR PCS)		DESCRIPTION	PART NO. (MJI)
001B 002B 003B 004B 005B 006B 009B 010B 011B 012B 013B 014B 015B		4822 459 04327 4822 450 10182 4822 459 11172 4822 413 41681 4822 410 62744 4822 404 21012 4822 410 10708	FRONT PANEL, KIT (BLACK) FRONT PANEL, (BLACK) WINDOW, BUSHING, MASTER VOLUME BUSHING, TRIM BLACK BUSHING, SIDE END BLACK MASK, WINDOW MASK, WINDOW MEJYUMU BADGE, MZ BADGE BLACK KNOB, MASTER BLACK BUTTON, POWER BLACK JOINT, POWER KNOB, TRIM VOLUME BLACK CHASSIS, FRONT METAL	266J248500 266J248010 266J158010 266J259010 266J259020 266J259030 266J303020 185J251010 064J154080 285K270010 025J125010 266J154010 266J105020
001D 005D 006D 007D		4822 442 00552 4822 442 00553	LID, TOP COVER BLACK SIDE PANEL, (L) BLACK SIDE PANEL, (R) BLACK BUSHING, SIDE PANEL	198J257110 266J249010 266J249020 266J259050
006G 007G 910G		4822 462 42045 4822 462 42048 4822 532 60948	LEG, FRONT (GOLD) LEG, REAR (GOLD) BUSHING, AC CORD	183J057010 183J057110 450H259010
▲ L001 ▲ L001 ▲ L001 ▲ L001	F K /02B U		POWER TRANSF., FOR F POWER TRANSF., FOR K POWER TRANSF., FOR N POWER TRANSF., FOR U	TS17205070 TS17205060 TS17205080 TS17205050
WL01  A W001 A W001 A W001	1		JUMPER LEAD, FFC19P P604-PU04 380MM A.C POWER CORD, F OR E A.C POWER CORD, N A.C POWER CORD, UL/CSA	YU19380550 YC01800800 YC01800790 YC01800780
001S 002S	F F		PACKING PACKING CASE, BL CUSHION, CUSHION(L, R)	266J801010 266J809010
001T 001T 001T 001T	F K /02B U	4822 736 14644	USER MANUAL, DP870(F) USER MANUAL, DP870(N) USER MANUAL, DP870(N) USER MANUAL, DP870(U)	266J851110 266J851350 266J851310 266J851250
Z001	K	4822 267 31647	JACK, AC ADAPTER	YJ04001960

PCS 88 463



#### 3. ELECTRICAL PARTS LIST

#### ASSIGNMENT OF COMMON PARTS CODES. $\frac{3***}{1}$ : 1) GD05 x x x 140, Carbon film fixed resistor, $\pm 5\%$ 1/4W $\frac{3***}{1}$ : 2) GD05 x x x 160, Carbon film fixed resistor, $\pm 5\%$ 1/6W 1 Resistance value Examples : (1) Resistance value 10Ω...100 1kΩ...102 18Ω...180 2.7kΩ...272 100kΩ...104 0.1 Ω. . .001 680kΩ...684 0.5 Ω...005 used actually. C\*\*\* : CERAMIC CAP. 1) DD1x x x x 370, Ceramic capacitor Disc type Temp.coeff.P350~N1000,50V (2) - Capacity value Examples ① Tolerance (Capacity deviation) ± 0.25pF ... 0 ± 0.5pF ... 1 ± 5% ... 5 \* Tolerance of COMMON PARTS handled here are as follows 0.5pF~ 5pF...± 0.25pF 6pF~ 10pF...± 0.5pF 12pF~ 560pF...±5% ② Capacity value 0.5pF...005 1pF. .010 10pF. .100 1.5pF. .015 47pF. .470 220pF...221 560pF...561 C\*\*\* : CERAMIC CAP. 1) DK16 $\times \times \times$ 300, High dielectric constant ceramic capacitor Disc type Temp.chara. 2B4, 50V Capacity value Examples ① Capacity value 100pF. ..101 1000pF. ..102 470pF. ..471 2200pF. ..222 1000pF...102 10000pF...103 C\*\*\*: ELECTROLY CAP.( 学 ), FILM CAP.( 宁 ) 1) EAxxxxxx10, Electrolytic capacitor One-way lead type, Tolerance ±20% ② Working voltage 1 - Capacity value Examples ① Capacity value 0.1 μ F. . .104 0.33 μ F. . .334 4.7 μF. . .475 10 μF. . .106 22 μF. . .226 100 μF. . .107 330 μF. . .337 1100 μF. . .118 1 µF. . 105 2200 µF. . . 228 ② Working voltage 6.3V...006 10V...010 16V...016 25V...025 35V...035 50V...050 2) DF15 x x x 350 Plastic film capacitor DF15 x x x 310 One-way type, Mylar ± 5 % 50V DF16 x x x 310 → Plastic film capacitor One-way type, Mylar ± 10 % 50V Capacity value Examples ① Capacity value 0.001 μ F(1000pF) . . .102 0.1 μF...104 0.0018 µ F......182 0.56 µ F. . .564 1 μF...105 0.01 μ F......103

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- 2) On the occasion, be confirmed the common parts on · されている部品番号の部品を使用して下さい。
- the parts list.

  3) Refer to "Common Parts List" for the other common parts (RI05, DD4, DK4).

#### NOTE ON SAFETY FOR FUSIBLE RESISTOR:

The suppliers and their type numbers of fusible resistors are as follows;

1. KOA Corporation
Part No. Type No. Description
NH05 x x x 140 → RF25S x x x x ΩJ (±5 % 1/4W)
NH05 x x x 120 → RF50S x x x x ΩJ (±5 % 1/2W)
NH85 x x x 110 → RF73B2A x x x x ΩJ (±5 % 1/10W)
NH95 x x x 140 → RF73B2E x x x x ΩJ (±5 % 1/4W)

★ Resistance value Resistance value

 $(0.1 - 10k\Omega)$ 

2. Matsushita Electronic Components Co., Ltd
Part No. Type No. Description
NF05 x x x 140 ERD-2FCJ x x x (±5% 1/4W)
RF05 x x 140 ERD-2FCG x x x (±2% 1/4W)
RF02 x x 140 RF02 x x 140 Resistance value

			ABBREVIATIO	N A	AND M.	41	RKS
	ANT.	:	ANTENNA	2	BATT.	:	BATTERY
3	CAP.	:	CAPACITOR	4	CER.	:	CERAMIC
:	CONN.	:	CONNECTING	6	DIG.	:	DIGITAL
	HP	;	HEADPHONE	8	MIC.	:	MICROPHONE
١	μ-PR0	:	MICROPROCESSOR	10	REC.	:	RECORDING
1	RES.	:	RESISTOR	12	SPK	:	SPEAKER
,	SW	:	SWITCH	14	TRANSF.	:	TRANSFORMER
5	TRIM.	:	TRIMMING	16	TRS.	:	TRANSISTOR
1	VAR.	:	VARIABLE	18	X'TAL	:	CRYSTAL
,				20			
1				22			
				24			
				26			
,				28			
١				30			

#### NOTE ON SAFETY:

Symbol Fire or electrical shock hazard. Only original parts should be used to replaced any part, marked with symbol . Any other component substitution ( other than original type), may increase risk of fire or electrical shock hazard.

#### 安全上の注意:

▲がついている部品は、安全上重要な部品です。必ず指定 ・されている部品番号の部品を使用して下さい。

SM950509KI

(VERS. :\	/ERSION	U:U.S.A., F:JAPA	N, K:FAR EAST, ++:EUROPE)		(VERS. :\	/ERSION	, U:U.S.A., F:JAPA	N, K:FAR EAST, **:EUROPE)	
POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
			P604-AC-3 DECODER		CR11		4822 122 33761	CER.CHIP, 22 PF ±5% 50V	DD95220300
			CIRCUIT BOARD		CR12		4822 124 10772	ELECT.CHIP, 100 μF 6.3V	EY10700620
			P604-CAPACITORS		CR13	l	4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CL01		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620	CR14		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
	l	4822 124 10772	BIG ELECT., FMOH223ZTP16	EX22300530	CR15		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CL02			CER.CHIP, 0.1 µF +80%-20%	DK98104200	Chib		4022 120 11007	CEN.OHIIF, 0.1 μ1 +00 /6-20 /6	D1(30104200
CL03		4822 126 11687	1 ' '		C601		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620
CL04		4822 124 11074	ELECT.CHIP, 10 µ F 16V	EY10601620			4822 124 10772	ELECT.CHIP, 100 µ P 0.3V	E110700020
CL05		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	C602		4000 100 11007	CER.CHIP, 0.1 μF +80%-20%	DK00104300
CL06		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	0005		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CL07		4822 122 33744	CER.CHIP, 100 PF ±5% 50V	DD95101300	C605		4000 404 40770	FLECT CLUB 100 F C DV	EV40700000
CL08			055 0145 04 5 000/ 000/		C606		4822 124 10772	ELECT.CH(P, 100 μF 6.3V	EY10700620
		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200	C607			055 0145 04 5 000 000	B1/00101000
CL12					1 1		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
					C612				
CM01		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620	C613		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620
CM02		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620	C614				
CM03		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200			4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CM04		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	C618				
CM05		4822 122 33753	CER.CHIP, 150 PF ±5% 50V	DD95151300	C619		4822 122 33744	CER.CHIP, 100 PF ±5% 50V	DD95101300
CM06			CER.CHIP, 0.01 µF ±10% 50V	DK96103300	C620		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620
CM07			CER.CHIP, 0.01 µF ±10% 50V	DK96103300	C621			•	
CM08		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	1		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200
CM09	1 1	4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	C625		1022 120 11007		
CM10		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620	C626		4822 126 11671	CER.CHIP, 33PF ±5%	DD95330300
CM11		4822 124 10772	ELECT.CHIP, 100 μF 6.3V	EY10700620	C627		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CM12		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	C628		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620
			CER.CHIP, 0.1 μF +80%-20%	DK98104200 DK98104200	C629		4822 124 10772	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CM13		4822 126 11687	l ''						
CM14		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200	C630		4822 124 10772	ELECT.CHIP, 100 µ F 6.3V	EY10700620
CM15			FILM, 0.47 μF ±5% 50V	DF15474350	C631		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CM16		4822 122 33753	CER.CHIP, 150 PF ±5% 50V	DD95151300	C632		4822 124 10772	ELECT.CHIP, 100 μF 6.3V	EY10700620
CM17			FILM, 0.47 μF ±5% 50V	DF15474350	C634		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CM33		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200	C681				
CM34		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200		i	4822 126 11687	CER.CHIP, 0.1 $\mu$ F +80%-20%	DK98104200
CM35		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620	C686		4822 126 11687		
CM36		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620	C687		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620
CM37		4822 126 13837	CER.CHIP, 0.1 µF ±10% 10V	DK96104200	C688		4822 124 10772	ELECT.CHIP, 100 μF 6.3V	EY10700620
CM38			CER.CHIP, 0.01 µF ±10% 50V	DK96103300	C689		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620
CM39			CER.CHIP, 0.01 µF ±10% 50V	DK96103300	C690		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CM40		4822 122 33761	CER.CHIP, 22PF ±5% 50V	DD95220300	C691		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200
CM41		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620	C692		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620
CM42		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	C693		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620
CM51			ELECT.CHIP, 100 µF 6.3V	EÝ10700620	C694		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200
CM52		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	C695		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200
CM53		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200	C696		4822 126 11687	CER.CHIP, 0.1 μF 16V	DK98104200
CM54		4822 122 33744	CER.CHIP, 100 PF ±5% 50V	DD95101300	C697		4822 126 11671	CER.CHIP, 33PF ±5%	DD95330300
CM55		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200				,	
CM56		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	RR02		4822 126 13837	CER.CHIP, 0.1 µF ±10% 10V	DK96104200
CM57		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	11102		, 10007		
CM57 CM58		4822 124 10772	ELECT.CHIP, 100 μF 6.3V	EY10700620				PD04-CAPACITORS (COMMON)	
CM58 CM59	1	4822 124 10772	CER.CHIP, 0.1 µF +80%-20%	DK98104200	C***			, ,	
CM59		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200 DK98104200				PLASTIC FILM CAP., ±5% 50V:CM15, CM16	
	1 1		''					±5% 50V:CM15, CM16	
CM61		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200					:
CM62		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620				P604-RESISTORS (ALL CHIP)	
l i				<b> </b>	RL01				
CR01		4822 126 11687	CER.CHIP, 0.1 μF +80%-20%	DK98104200	1		4822 051 30222	2.2KΩ ±5% 1/16W	NN05222610
CR02		5322 126 11578	CER.CHIP, 1000P ±10% 50V	DK96102300	RL06				
CR03		4822 122 33744	CER.CHIP, 100PF ±5% 50V	DD95101300	RL08		4822 116 82487	0Ω 1/16W	NN05000610
CR04		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	RL09		4822 051 30472	4.7KΩ ±5% 1/16W	NN05472610
CR05		4822 124 10772	ELECT.CHIP, 100 µF 6.3V	EY10700620	RL10		4822 051 30472	4.7KΩ ±5% 1/16W	NN05472610
CR06		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200	RL11		4822 051 30473	47KΩ ±5% 1/16W	NN05473610
CR07			CER.CHIP, 0.01 µF ±10% 50V	DK96103300	RL12		4822 116 82487	0Ω 1/16W	NN05000610
CR08		4822 124 10772	ELECT.CHIP, 100 μF 6.3V	EY10700620	RL13		1	0Ω 1/16W	NN05000610
CR09		4822 126 11687	CER.CHIP, 0.1 µF +80%-20%	DK98104200					
CR10		4822 122 33761	CER.CHIP, 22 PF ±5% 50V	DD95220300					
]				3200220000					]
			<u> </u>	L					

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)	(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, ••:EUROPE)

(VERS. :\	ERSION,	U:U.S.A., F:JAPA	N, K:FAR EAST, **:EUROPE)	<del></del>	(VERS. :\	1	, U:U.S.A., F:JAPA	N, K:FAR EAST,:EUROPE)	
POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
RL14					RR01		4822 051 30759	75Ω ±5% 1/16W	NN05750610
l RL19		4822 051 30472	4.7KΩ ±5% 1/16W	NN05472610	RR02		4822 126 13837	CER., 0.1 μF ±10% 10V	DK96104200
RL20		4822 051 30102	1KΩ ±5% 1/16W	NN05102610					
RL21		4822 116 82487	0Ω 1/16W	NN05000610	RR03		4822 051 30759	75Ω ±5% 1/16W	NN05750610
RL22	1	4822 116 82487	0Ω 1/16W	NN05000610	RR04	l	4822 116 83216	56KΩ ±5% 1/16W	NN05563610
RL23		4822 116 82487	0Ω 1/16W	NN05000610	RR05		4822 051 30334	330KΩ ±5% 1/16W	NN05334610
RL24		4822 051 30103	10KΩ ±5% 1/16W	NN05103610	RR06		4822 051 30333	33KΩ ±5% 1/16W	NN05333610 NN05470610
RL25		4822 051 30103	10KΩ ±5% 1/16W	NN05103610	RR08	ľ	4822 051 30479	47Ω±5% 1/16W 12KΩ ±5% 1/16W	NN05123610
RL26		4822 051 30473	47KΩ ±5% 1/16W	NN05473610	RR09		4822 116 83208	12KΩ ±5% 1/16W	NN05123610
RL32		4822 051 30103	10KΩ ±5% 1/16W	NN05103610	RR10 RR11	Ī	4822 116 83208 4822 116 83215	5.6KΩ ±5% 1/16W	NN05562610
RL51		4000 440 00407	0Ω 1/16W ·	NN05000610	RR12		4822 116 83215	5.6KΩ ±5% 1/16W	NN05562610
D) 10		4822 116 82487	UΩ I/TOW	141403000810	RR13		4822 116 83206	120Ω ±5% 1/16W	NN05121610
RL58					RR14		4822 051 30224	220KΩ ±5% 1/16W	NN05224610
RM01		4822 051 30102	1KΩ ±5% 1/16W	NN05102610	RR15				
RM02		4822 051 30472	4.7KΩ ±5% 1/16W	NN05472610		•	4822 116 82487	0Ω 1/16W	NN05000610
RM03		4822 051 30102	1KΩ ±5% 1/16W	NN05102610	RR23				
RM04		4822 051 30151	150 Ω ±5% 1/16W	NN05151610	RR25		4822 116 82487	0Ω 1/16W	NN05000610
RM05	4	4822 051 30222	2.2KΩ ±5% 1/16W	NN05222610	RR29		4822 116 83216	56KΩ ±5% 1/16W	NN05563610
RM06		4822 051 30331	330 Ω ±5% 1/16W	NN05331610					
RM07		4822 051 30102	1KΩ ±5% 1/16W	NN05102610	R601				
RM08		4822 051 30102	1KΩ ±5% 1/16W	NN05102610	1		4822 051 30479	47Ω ±5% 1/16W	NN05470610
RM09		4822 051 30102	1KΩ ±5% 1/16W	NN05102610	R620			0.0 440144	A1NOF000C10
RM10		4822 051 30103	10KΩ ±5% 1/16W	NN05103610	R621		4822 116 82487	0Ω 1/16W	NN05000610
RM11	i i	4822 051 30102	1KΩ ±5% 1/16W	NN05102610	R622		4000 054 00470	47Ω ±5% 1/16W	NN05470610
RM12	3	4822 051 30103	10KΩ ±5% 1/16W	NN05103610	Doon.		4822 051 30479	4/1/ ±3% 1/10¥¥	NINUSATUUTO
RM13	1	4822 051 30102	1KΩ ±5% 1/16W	NN05102610	R638 R639		4822 051 30473	47KΩ ±5% 1/16W	NN05473610
RM14	t .	4822 051 30102	1KΩ ±5% 1/16W 1KΩ ±5% 1/16W	NN05102610 NN05102610	R640		4622 051 30473	47KV 2578 171011	111100470010
RM15	1	4822 051 30102	100Ω ±5% 1/16W	NN05102010	11040		4822 051 30479	47Ω ±5% 1/16W	NN05470610
RM16	I	4822 051 30101 4822 116 82487	0Ω ±5% 1/16W	NN05000610	R646		14022 001 00 170		
RM17 RM19	1	4822 051 30103	10KΩ ±5% 1/16W	NN05103610	R647		4822 051 30473	47KΩ ±5% 1/16W	NN05473610
RM20	i	4822 051 30224	220KΩ ±5% 1/16W	NN05224610	R648		4822 051 30105	1MΩ ±5% 1/16W	NN05105610
RM21	1	4822 051 30103	10KΩ ±5% 1/16W	NN05103610	R651				
RM22	i .	4822 051 30224	220KΩ ±5% 1/16W	NN05224610	1 1	1	4822 116 82487	0Ω 1/16W	NN05000610
RM23		4822 051 30683	68KΩ ±5% 1/16W	NN05683610	R658	l			
RM27		4822 051 30153	15KΩ ±5% 1/16W	NN05153610					
RM28		4822 051 30153	15KΩ ±5% 1/16W	NN05153610	LL01				
RM29		4822 051 30103	10KΩ ±5% 1/16W	NN05103610	1		4822 051 30101	100Ω ±5% 1/16W	NN05101610
RM31		4822 051 30223	22KΩ ±5% 1/6W	NN05223610	LL09	:			
RM32		4822 051 30473	47KΩ ±5% 1/16W	NN05473610				DAGA OF WOONDLICTORS	
RM33	•	4822 051 30473	47KΩ ±5% 1/16W	NN05473610	B1.04		1000 100 00715	P604-SEMICONDUCTORS CHIP DIODE, 1SS301,	HZ21005000
RM34		4822 116 83206	120Ω ±5% 1/16W	NN05121610	DL01		4822 130 83715	DAN202U	11221003000
RM35		4900 051 00100	10KΩ ±5% 1/16W	NN05103610	DM01		4822 130 10683	CHIP DIODE, KV1851-TL00	HZ40003420
DNO		4822 051 30103	10KM 75% 1/10W	141405 1030 10	QL01		100 10000	MICROPROCESSOR,	HU266JT02
RM38	1	4822 051 30473	47KΩ ±5% 1/16W	NN05473610	""		1	TMP87PH40AF	
RM39 RM40		4822 051 30473	47KΩ ±5% 1/16W	NN05473610	QL02		4822 209 14872	IC, 74HC541(SOP)	HC754100R
RM41		4822 051 30473	47KΩ ±5% 1/16W	NN05473610	QL03		4822 130 60856	DIG.TRS., DTC144EC	BA2002121
RM42	1	4822 051 30105	1.0MΩ ±5% 1/16W	NN05105610	QL04		4822 130 60856	DIG.TRS., DTC144EC	BA2002121
RM43		4822 116 82487	0Ω 1/16W	NN05000610	QL05		4822 130 60856	DIG.TRS., DTC144EC	BA20021210
RM44		4822 051 30103	10KΩ ±5% 1/16W	NN05103610	QL06		4822 209 30426	IC, CMOS 74HC00 FLAT	HC700000Z
RM45	1	4822 051 30332	3.3KΩ ±5% 1/16W	NN05332610	QL07		4822 209 31929	IC, OR-GATE 74HC32	HC703200Z
RM46	1	4822 051 30332	3.3KΩ ±5% 1/16W	NN05332610	QL08		4822 130 60856	DIG.TRS., DTC144EC	BA2002121
RM54	1	1		<b> </b>	QL09	1		CHIP TR., 2SC4081 (Q, R)	HX300012A
1		4822 051 30103	10KΩ ±5% 1/16W	NN05103610				2SC4116 (Y, GR)	
RM59					QM01	1	4822 209 14884	IC, PD4606A AC-3 RF DEMO.	HC1001566
RM60		4822 051 30104	100KΩ ±5% 1/16W	NN05104610	QM02	<u> </u>		IC, MCM6205DJ	HC1008100
RM61		4822 051 30224	220KΩ ±5% 1/16W	NN05224610			4000 000 110=0	9X32K SRAM <35NS	HC1006517
RM75	5		1404	MAINTOCCO	QM03	i .	4822 209 14876	IC, MC14577BF(SOP) CHIP TR., 2SC4081 (Q, R)	HX300012A
		4822 116 82487	0Ω 1/16W	NN05000610	QM04	1		2SC4116 (Y, GR)	11/1000012/
RM78	4							2007110 (1, 011)	
	1	I	1	. 1	L	.1	1	1	

PCS 88 466

(VERS. :\	::VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)					(VERS.: VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)				
POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	
QM05		4822 130 10698	CHIP TR., 2SA1586 (Y, GR)	HX100012A0	C804					
QIVIOU		1022 100 10000	2SA1576A (Q, R)		T T		4822 122 30043	CER., 0.01 μF +80%-20%	DK18103310	
QM06		4822 209 14877	IC, NJM360M(SOP)	HC10180090	C807					
QM07		4822 209 83357	IC, NJM4560M	HC10029090	C808		4822 124 22695	ELECT., 2200 μ F M 35VRA-2	OA22803520	
QM08		4822 209 32442	IC, TC7WU04F	HC000305K0	C809		4822 124 22695	ELECT., 2200 μ F M 35VRA-2	OA22803520	
QM09		4822 130 61199	DIG.TRS., DTA144EU	BA10014210	C810		4822 124 22243	ELECT., 6800 μF 16VRA2	OA68801620	
QM10		4822 209 83357	IC, NJM4560M	HC10029090	C811		4822 124 90388	ELECT., 3300 μF 16V RA2	OA33801620	
QM11		4822 209 32442	IC, TC7WU04F	HC000305K0	C814		4822 122 30043	CER., 0.01 μF +80%-20%	DK18103310	
QR01		4822 209 14863	IC, LC8904Q DIGI. AUDIO I/F	HC10372030	C818		4822 122 40588	CER., 0.022 μF ±20% CER., 0.022 μF ±20%	DA17223110 DA17223110	
QR02		4822 209 63379	IC, 74HC08 FLAT	HC700800Z0	C819 C820		4822 122 40588 4822 122 40588	CER., 0.022 μF ±20%	DA17223110 DA17223110	
QR03		5322 209 73187 4822 209 14882	IC, 74HC04 FLAT IC, ZR38500-VER.3	HC700400R0 HC10020990	C823		4822 122 40588	CER., 0.022 µF ±20%	DA17223110	
Q601		4022 209 14002	AC-3 DECODER	11010020330	C824		4822 122 40588	CER., 0.022 µF ±20%	DA17223110	
			AO-0 DEOODEN		C831		4022 122 40000	02.11, 0.1022 /	5,11,220110	
Q602				1			4822 122 40588	CER., 0.022 μF ±20%	DA17223110	
1		4822 209 14864	IC, M628032-20EI	HC10076000	C837			, ,		
Q604			8X32K SRAM <35NS (SOJ)		C838		4822 126 10364	CER., 100PF ±10%	DA16101110	
					C840		4822 122 30043	CER., 0.01 μF +80%-20%	DK18103310	
			P604-MISCELLANEOUS		C841		4822 122 30043	CER., 0.01 μF +80%-20%	DK18103310	
J601			JACK, TKC-G12X-E1	YJ06031000	C842		4822 122 30043	CER., 0.01 μF +80%-20%	DK18103310	
J602			JACK, TKC-G12X-E1	YJ06031000	C844			FILM, 0.22 μF ±5% 50V		
J603			JACK, TKC-G12X-E1	YJ06031000	C851		4822 124 23054	ELECT., 0.47 μ F 50V	EJ47405010	
J604			JACK, 53261-1510 1.25MM	YJ07006850	C852		4822 124 23053	ELECT., 1 µ F 50V	EJ10505010	
J605			JACK, 006200-197-032800	YJ07006400	C854		4822 122 30043	CER., 0.01 µF +80%-20%	DK18103310	
J606			JACK, 53261-0610 1.25MM	YJ07006760	C871		4822 122 40588	CER., 0.022 μF ±20%	DA17223110 DA17223110	
LL01		4000 0E4 20404	CHIP, 100 Ω ±5% 1/16W	NN05101610	C873 C874		4822 122 40588 4822 124 21894	CER., 0.022 μF ±20%   ELECT., 10 μF 16V	EJ10601610	
LL09		4822 051 30101	CHIF, 100 12 12 3% 1/10 W	INNUSTUTOTU	C674		4022 124 21094	ΕΕΕΟΙ., 10 με 10 γ	L310001010	
LL10		4822 157 10884	EMI FILTER, BLM11A221S	FN31000010				P804-CAPACITORS(COMMON)		
LM01		1022 137 10004	EMI FILTER, NFM41P11C204	FM31204010	C***			ELECTROLYTIC CAP.		
LM02		4822 242 10582	L.C. FILTERR, SBP-4930	FF30288010				ONE-WAY LEAD TYPE,		
-,			2.88MHZ-BPF	}				TOLERANCE ±20%	· ·	
LM03			CHIP INDUCTANCE, 68 µH	LU12683010				C803, C812, C813, C815-C817,		
LR01		·	EMI FILTER, NFM41P11C204	FM31204010				C821, C822, C825- C830, C839,		
L601			EMI FILTER, NFM41P11C204	FM31204010				C843, C844, C853, C872		
L603			EMI FILTER, NFM41P11C204	FM31204010						
L681								P804-RESISTORS		
1		4822 157 70322	EMI FILTER, NFM61R10T102	FM32102010	R761		4822 117 10158		GG05010140	
L685			OFF 1/10 0 01417 (FF0.1/)	5000004000	R801		4822 117 10158	1Ω ±5% 1/4W	GG05010140 GG05010140	
XL01		4822 242 80349 4822 242 10576	CER. VIB., 8.0MHZ (EF0 V) X'TAL, FXO-31FX 46.08MHZ-	FQ08004030 JX46001380	R805 R809		4822 117 10158 4822 117 10158	1 Ω ±5% 1/4W 1 Ω ±5% 1/4W	GG05010140	
XM01		4822 242 10576	OSC 40.00MHZ	JA40001300	R810		4822 117 10158	1Ω ±5% 1/4W	GG05010140	
XM02		4822 242 10577	X'TAL, CX-5F 18.432MHZ-	JX18001380	R812		4822 117 10158	1Ω ±5% 1/4W	GG05010140	
XR01		4822 242 10578	X'TAL, CX-5F(24.5760MHZ)	JX24001380	R871		4822 052 10109	10Ω ±5% 1/6W	GG05100160	
X601		4822 242 10579	CER.VIB., EFOJ3385E5	FQ03385020	7,071		1022 002 10100			
			33.868MHZ		1			P804-RESISTORS(COMMON)		
				]	R***			CARBON FILM FIXED RES.,		
			P804-POWER CIRCUIT		1			±5% 1/6W:		
			BOARD	<b>!</b>	1			R701-R726, R731-R736, R741-		
			P804-CAPACITORS		1.			R748, R751-R756, R807, R808		
CL91		4822 122 40617	CER., 0.1 μF +80%-20%	DD38104010	1			R813-R815, R851-R861, R872-		
CL92		4822 122 40617	CER., 0.1 μF +80%-20%	DD38104010	1			R877, RL91		
0754					1			DOGA OFMICONDUCTORS		
C751		1000 104 01004	ELECT., 10 µF 16V	EJ10601610	D704		1	P804-SEMICONDUCTORS		
C756		4822 124 21894	LLEG1., 10 με 10 ν	E010001010	D701		4822 130 32362	DIODE, 1SS176, A165, 1SS254	HDS000s000	
C756		4822 122 30043	CER., 0.01 µF +80%-20%	DK18103310	D704		7022 130 32302	30V 0.1A	1020002000	
C762		4822 122 40588	CER., 0.022 µF ±20%	DA17223110	△ D801		4822 130 33057	DIODE, S2VB20	HE20011290	
C781		TOEL 122 70000	,	5,,225,10	▲ D802		4822 130 33037	DIODE, S4VB-20	HE20015290	
1	/02B	4822 126 10408	CER., 220PF ±10%	DA16221110	▲ D803		4822 130 32968	DIODE, RL203-M11 2A-200V	HD20001710	
C788	- <b></b>	.522 .20 .0 .00	,		A D804		4822 130 32968	DIODE, RL203-M11 2A-200V	HD20001710	
▲ Č801		4822 122 33276	CER., 0.01 µF ±20%	DK17103840	▲ D807				1	
▲ C802		4822 122 33276	CER., 0.01 µF ±20%	DK17103840			4822 130 82421	DIODE, 1D31A/200V	HD20002710	
					▲ D810					
	<u> </u>	<u> </u>								

(VERS.: VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, \*\*:EUROPE)

DESCRIPTION

DIODE, 1D3 1A/200V

ZENER DIODE, NTJ3.6A 3.6V

ZENER DIODE, 5.1V MTZJ5.1B

DIG.TRS., DTC144ES/UN4213

DIG.TRS., DTA114ES/UN4111

IC, NJM78M15FA(0.5A 15V)

IC, NJM79M15FA(0.5A -15V)

IC, NJM79M05AF -5V 0.5A

IC, S-806C V-SENSOR 4.55V

TRS., 2SD2033(E) 120V 1.8W

TRS., (2SC) C536SP, C2458,

TRS., (2SC) C536SP, C2458,

DIG.TRS., DTA114ES/UN4111

TRS., 2SD2033(E) 120V 1.8W

TRS., 2SD2033(E) 120V 1.8W

DIG.TRS., DTA114ES/UN4111

DIG.TRS., DTA114ES/UN4111

IC, LB1641 MOTOR DRIVER

FUSE, 500MA 250V UL, CSA,

**P804-MISCELLANEOUS** 

FUSE, 160 MA 250V BS

**FUSE, T400MA 250V** 

FUSE, T160MA 250V

TERMINAL, 2P RCA W/R/GL

TERMINAL, 6P RCA BLK-AU

TERMINAL, 6P RCA BLK-AU

JACK, AC OUTLET 1P

JACK, AC OUTLET 1P

TERMINAL, 2P RCA (RC5) OR

DIODE, 1SS176, MA165,

RD5.1ES-B2 04AZ5.1Y

1SS254 30V 0.1A

1SS254 30V 0.1A

47K 47K

10K, 10K

TRS., 2SC2878 A/B

IC, NJM7805FA +5V

IC, NJM7805FA +5V

IC, NJM78L05A

C3311, C1740S

C3311, C1740S

10K, 10K

10K, 10K

10K, 10K

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LISTED

DIODE, 1SS176, MA165,

DIODE, RL203-M11 2A-200V

PART NO.

(FOR PCS)

4822 130 82421

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4822 130 82421

4822 130 80316

4822 130 32362

4822 130 80317

4822 130 42594

4822 130 61227

4822 130 43818

4822 209 31629

4822 209 61526

4822 209 31631

4822 209 30063

4822 209 31631

4822 209 71373

4822 209 14883

4822 130 62335

4822 130 42298

4822 130 42298

4822 130 61227

4822 130 62335

4822 130 62335

4822 130 61227

4822 130 61227

4822 209 30193

4822 265 31045

4822 267 41009

4822 267 31686

4822 267 31686

POS

NO

D811

D815

D816

D817

D818

D820

D822

D836

D851

D853

D855

D856

D871

Q701

Q705 Q706

Q710

Q711

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Q801

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Q808

Q851

Q852

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Q855

Q856

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Q871

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J703

J704

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VERS.

COLOR

PART NO.

(MJI)

(VERS.: VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, \*\*: EUROPE) VERS. PART NO. PART NO POS DESCRIPTION COLOR (FOR PCS) (MJI) NO L701 **RELAY, MR62-24SR 24V** LY20240410 4822 280 20501 HD20002710 1704 HD20001710 A L801 4822 157 70419 FILTER, LF-4D-102 FN01020020 RELAY, VB 24MBU-510 LY20240310 HD20002710 ▲ L802 4822 280 70354 5A/240VAC HD20002710 HD20002710 HD20002710 HD20002000 HD20002710 HD20002710 HD30361000 HD20002000 HD30511000 BA20002000 BA10001000 HT328782A0 HC38515090 HC39515090 HC38905090 HC39505090 HC38905090 HC38105090 HC10075530 HT420331E0 HT30001000 HT30001000 BA10001000 HT420331E0 HT420331E0 BA10001000 BA10001000 HC10279030 FS10050350 FS10016850 FS20040210 FS20016200 YT02021080 YT02060550 YT02060550 YT02020890 YJ04001780 YJ04001780

	▲ L803		4822 280 70354	RELAY, VB 24MBU-510 5A/240VAC	LY20240310
	L891   L897		4822 242 73843	EMI FILTER, DSS306-91-F-1223Z	FM12223010
				P854-POWER SW CIRCUIT BOARD P854-CAPACITORS	·
	▲ C891		4822 122 33276	CER., 0.01 μF ±20%	DK17103840
	<b>▲</b> S891		4822 276 11654	P854-MISCELLANEOU PUSH SW., POWER SW. 1.5MM TV-5	SP01010960
	▲ F881 ▲ F882 ▲ S881	к к к	4822 253 30394 4822 277 21825	P884-VOLTAGE SELLECT CIRCUIT BOARD P884-MISCELLANEOUS FUSE, 160 MA 250V BS FUSE, 315 MA 250V BS SLIDE SW., SDKGA4 SEMKO	FS10016850 FS10031850 SS02021510
	CD01		4822 126 10935	PD04-DAC, CROSS-OVER CIRCUIT BOARD PD04-CAPACITORS ELECT., 100 µF 6.3V	EJ10700610
	CD01 CD02				DK98104200
	CD05		4822 126 11687	CER., 0.1 μF +80%-20%	
	CD06		4822 124 23056	ELECT., 47 μF 10V	EJ47601010
П	CD10		4822 126 10935	ELECT., 100 μF 6.3V	EJ10700610
	CD11		4822 124 11074	ELECT., 10 μF 16V	EY10601620
П	CD12		4822 124 11074	ELECT., 10 μ F 16V	EY10601620
	CD13		4822 122 33752	CER., 15PF ±5% 50V	DD95150300
	CD14 CD19		4822 122 33752	CER., 15PF ±5% 50V	DD95150300
	1 CD22		4822 126 11687	CER., 0.1 μF +80%-20%	DK98104200
	CD23		4822 122 33752	CER., 15 PF ±5% 50V	DD95150300
	CD24 CD25		4822 122 33752	CER., 15 PF ±5% 50V	DD95150300
	I. CD28		4822 124 21894	ELECT., 10 μF 16V	EJ10601610
	CD26	l .	4822 126 11687	CER., 0.1 µF +80%-20%	DK98104200
	CD30	1	4822 126 11687	CER., 0.1 µF +80%-20%	DK98104200
	CD31 CD32		4822 126 10935	ELECT., 100 μF 6.3V	EJ10700610
	1 CD35		4822 126 11687	CER., 0.1 μF +80%-20%	DK98104200
1	CD35	1	4822 124 23056	ELECT., 47 μF 10V	EJ47601010
	CD40	1	4822 126 10935	ELECT., 100 μF 6.3V	EJ10700610
	CD40	1	4822 124 11074	ELECT., 10 µF 16V	EY10601620
	CD42		4822 124 11074	ELECT., 10 μF 16V	EY10601620
	CD43	I .	4822 122 33752	CER., 15PF ±5% 50V	DD95150300
	CD44	1	4822 122 33752	CER., 15PF ±5% 50V	DD95150300
1	CD49			<u> </u>	
	1		4822 126 11687	CER., 0.1 µF +80%-20%	DK98104200
	CD52				
		•	<del> </del>	·	3C0 00 40
3	ਝ			<b>1</b>	PC\$ 88 46

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**CD53** 

**CD56** 

**CD61** 

CD62

**CD65** 

**CD66** 

CD69

CD70

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(VERS. : VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, \*\*: EUROPE) VERS POS VERS. PART NO. PART NO PART NO. PART NO. DESCRIPTION DESCRIPTION COLOR (FOR PCS) COLOR (FOR PCS) (MJI) NO (MJI) ELECT., 10 μF 16V 4822 124 21894 FJ10601610 **CE69** CER., 560PF ±10% DK96561300 4822 126 11724 CER., 0.1 µF +80%-20% CE70 4822 126 11687 DK98104200 ELECT., 100 µF 6.3V EJ10700610 CER., 0.1 µF +80%-20% DK98104200 4822 126 10935 **CE71** 4822 126 11687 ELECT., 10 μF 16V EJ10601610 **CE72** 4822 124 21894 CER., 15P ±5% 50V DD95150300 4822 122 33752 CER., 0.1 µ F +80%-20% DK98104200 **CE73** 4822 126 11687 CE74 4822 122 33752 CER., 15P ±5% 50V DD95150300 4822 124 23056 ELECT., 47 μ F 10V EJ47601010 CE75 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 CER., 0.1 µF +80%-20% 4822 126 11724 CER., 560PF ±10% DK96561300 CE76 4822 126 11687 DK98104200 ELECT., 10 µF 16V ELECT., 100 μF 6.3V EJ10700610 CE77 4822 124 21894 FJ10601610 4822 126 10935 ELECT., 10 μ F 16V 4822 124 11074 ELECT., 10 μF 16V EY10601620 CE82 4822 124 21894 EJ10601610 ELECT., 10 μF 16V EY10601620 **CE83** 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 4822 124 11074 CER., 0.1 µF +80%-20% 4822 122 33752 CER., 15PF ±5% 50V DD95150300 **CE84** 4822 126 11687 DK98104200 ELECT., 10 μF 16V CER., 560PF ±10% DK96561300 CF85 4822 124 21894 FJ10601610 4822 126 11724 **CE86** 4822 124 21894 ELECT., 10 μ F 16V EJ10601610 CE87 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 CER., 0.1  $\mu$  F +80%-20% **CE88** 4822 126 11687 DK98104200 CER., 0.1  $\mu$  F +80%-20% 4822 124 21894 ELECT., 10 μ F 16V F.I10601610 DK98104200 **CE89** 4822 126 11687 CER., 0.022 µF ±10% 4822 122 33752 CER., 15P ±5% 50V DD95150300 CM91 4822 126 11567 DK96223200 ELECT., 10 μF 16V EJ10601610 CM92 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 4822 124 21894 ELECT., 100 μF 6.3V E.110700610 CM93 4822 126 10935 4822 124 21894 ELECT., 10 μF 16V FJ10601610 CER., 0.1U +80-20% DK98104200 CM94 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 4822 126 11687 4822 126 11687 CER., 0.1U +80-20% DK98104200 CM95 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 CER., 1000 PF ±10% 4822 124 21894 ELECT., 10 μF 16V EJ10601610 CM96 5322 126 11578 DK96102300 CM97 4822 126 10935 ELECT., 100 µ F 6.3V EJ10700610 ELECT.,  $10 \,\mu\text{F} \, 16\text{V}$ E.I10601610 4822 124 21894 4822 124 21894 ELECT., 10 μF 16V EJ10601610 CM98 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 ELECT., 10 μF 16V EJ10601610 4822 124 21894 **CR93** 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 EJ10700610 **CR94** 4822 126 10935 ELECT., 100 μ F 6.3V 4822 126 11687 DK98104200 CER., 0.1 µF +80%-20% PD04-CAPACITORS (COMMON) C\*\*\* CER., 15P ±5% 50V DD95150300 4822 122 33752 PLASTIC FILM CAP., CER., 15P ±5% 50V 4822 122 33752 DD95150300 ±5% 50V: ELECT., 10 μ F 16V EJ10601610 4822 124 21894 CD07-, CD08, CD15-CD18, ELECT., 10 μ F 16V EJ10601610 4822 124 21894 CD37. CER., 0.1 µF +80%-20% DK98104200 4822 126 11687 CD38, CD45-CD48, CD67, 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 CD68. ELECT.,  $10 \mu F 16V$ EJ10601610 4822 124 21894 CD75-CD78, CE09-CE12 ELECT., 10 μF 16V EJ10601610 4822 124 21894 CE39-CE42, CE67, CE68. CE78-CE81, CE95, CE96 4822 122 33752 CER., 15P ±5% 50V DD95150300 ELECT., 10 μF 16V EJ10601610 4822 124 21894 PD04-RESISTORS ELECT., 10 μF 16V EJ10601610 4822 124 21894 RD03 4822 126 11687 CER., 0.1 µF +80%-20% DK98104200 4822 051 30472 CHIP, 4.7KΩ ±5% 1/16W NN05472610 CER., 0.1  $\mu$  F +80%-20% DK98104200 RD06 4822 126 11687 4822 124 21894 ELECT., 10 μF 16V FJ10601610 RD09 ELECT., 10 μF 16V EJ10601610 CHIP, 4.7KΩ ±5% 1/16W NN05472610 4822 124 21894 1 4822 051 30472 4822 124 21894 ELECT., 10 μF 16V EJ10601610 RD14 ELECT., 10 μF 16V EJ10601610 CHIP, 4.7KΩ ±5% 1/16W NN05472610 4822 124 21894 **RD15** 4822 051 30472 **RD16** 4822 051 30472 CHIP, 4.7KΩ ±5% 1/16W NN05472610 CER., 0.1  $\mu$  F +80%-20% DK98104200 CHIP, 47KΩ ±5% 1/16W NN05473610 4822 126 11687 RD19 4822 051 30473 4822 051 30473 CHIP, 47KΩ ±5% 1/16W NN05473610 **RD20** CER., 15P ±5% 50V DD95150300 4822 122 33752 RD21 4822 122 33752 CER., 15P ±5% 50V DD95150300 4822 051 30153 CHIP, 15KΩ ±5% 1/16W NN05153610 ELECT., 10 µF 16V EJ10601610 4822 124 21894 **RD24** ELECT., 10 μF 16V EJ10601610 CHIP, 10KΩ ±5% 1/16W NN05103610 4822 124 21894 **RD25** 4822 051 30103 CER., 0.1 µF +80%-20% CHIP, 10KΩ ±5% 1/16W 4822 126 11687 DK98104200 RD26 4822 051 30103 NN05103610 4822 126 11687 CER., 0.1  $\mu$  F +80%-20% DK98104200 RD27 4822 051 30104 CHIP, 100KΩ ±5% 1/16W NN05104610 ELECT., 10  $\mu$ F 16V EJ10601610 CHIP, 100KΩ ±5% 1/16W NN05104610 4822 124 21894 RD28 4822 051 30104 ELECT., 10 µF 16V EJ10601610 CHIP, 100 Ω ±5% 1/16W NN05101610 4822 124 21894 RD29 4822 051 30101 4822 124 21894 ELECT., 10 μF 16V EJ10601610 RD33 4822 124 21894 ELECT., 10 μF 16V EJ10601610 4822 051 30472 CHIP, 4.7KΩ ±5% 1/16W NN05472610 EJ10601610 ELECT., 10 μF 16V 4822 124 21894 RD36

(VERS. VERSION, U:U.S.A.	F. IAPAN	K-FAR FAST	** FUROPE\
IVERS VERSION, U.U.S.A.	. F.JACAN.	. N.FAR LAGI	. ^^.LUITUI L

(VERS.:VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, \*\*:EUROPE) PART NO. POS. VERS. PART NO. PART NO.

PART NO.     PART NO.     PART NO.   PART	(VERS. :\	ERSION	U:U.S.A., F:JAPAN	I, K:FAR EAST, **:EUROPE)		(VEHS. :\	ERSION	, U:U.S.A., F:JAPAI	N, K:FAR EAST, **:EUROPE)	
NO   COLOR   GRORPES    DESCRIPTION   MAJ	POS	VERS	PART NO		PART NO	POS.	VERS.	PART NO.		PART NO.
RDS	•	1		DESCRIPTION	i I		l .	1	DESCRIPTION	
PROP   482 26 5 30102   CHP_100C ±55 116W   NNUSST0810   CHP_100	NO	COLON	(FON FOO)		(IVIOI)	1 '''	0020	(* 6111 66)		(17101)
Page										
Report	BD39		4822 051 30472	CHIP. 4.7KΩ ±5% 1/16W	NN05472610	RE66		4822 051 30473	CHIP, 47KΩ ±5% 1/16W	NN05473610
PAPER	1							1	CHIP 10KO +5% 1/16W	NN05103610
Heart   Hear	•		4022 05,1 30472	O/III , 4.71CM = 2070 17 1044	141403472010			l .		
ROMA   ROME   REPO	RD41	ļ		_		1				
Post   422 051 30172   CHIP, 47K0 ± 55% 176W   NR05472610   RE71   RE20 53 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE31   RE20 53 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE31   RE20 53 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE31   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32 505 30472   CHI	1		4822 051 30222	CHIP, 2.2KΩ ±5% 1/16W	NN05222610	RE69		4822 051 30104	CHIP, 100KΩ ±5% 1/16W	NN05104610
Post   422 051 30172   CHIP, 47K0 ± 55% 176W   NR05472610   RE71   RE20 53 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE31   RE20 53 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE31   RE20 53 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE31   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32   RE32 505 30472   CHIP, 47K0 ± 55% 176W   NR05472610   RE32 505 30472   CHI	RD44				1	RE70		4822 051 30223	CHIP, 22KΩ ±5% 1/16W	NN05223610
RASS   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   HE   4822 051 30473   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30473   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30473   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30473   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30472   CHIP. 47XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 30403   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 3043   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 3043   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 3043   CHIP. 30XC   15% 1/16W   NR05472810   RESD   4822 051 3045   CHIP. 30XC   15% 1/16W   NR05472810   RESD	1		4000 051 30470	CUID 4 7KO +5% 1/16M	NN05479610				·	
PASS   1982   242 051 30472   244 7.87 0 ± 59. 1169			· ·	,	f	1			0/110 40/40	11105400040
Report   422 05 1 30472   CHIP, 47K0 ± 5% 1 169V   NN05472610   Report   422 05 1 30472   CHIP, 47K0 ± 5% 1 169V   NN0547261	RD46		4822 051 30472	Y	NN05472610			4822 051 30103	CHIP, 10KΩ ±5% 1/16W	NN05103610
PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30473   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30472   CHIP   47K   25% 1169W   NASS/72610   PAGE   422 051 30473   P	RD63		4822 051 30472	CHIP, 4.7KΩ ±5% 1/16W	NN05472610	RE80				1
RESC   4822 061 30473   CHIP, 47K0 ±5% 116W   NA05472610   RESC   4822 061 30472   CHIP, 47K0 ±5%	RD64		4822 051 30472	CHIP. 4.7KΩ ±5% 1/16W	NN05472610	RE81		4822 051 30392	CHIP, 3.9KΩ ±5% 1/16W	NN05392610
ROSS				CHIP 47KO +5% 1/16W						NN05104610
Reps   4822 061 30472   CHIP, 47K0 ±5% 1/16W   NM6472610   Reps   6827   Reps   4822 061 30222   CHIP, 42K0 ±5% 1/16W   NM6472610   Reps   4822 061 30222   CHIP, 42K0 ±5% 1/16W   NM6472610   Reps   4822 061 30222   CHIP, 42K0 ±5% 1/16W   NM6472610   Rep   4822 061 30227   CHIP, 47K0 ±5% 1/16W   NM647261				•		1		7022 031 00104	O/111 , 1001CM ==070 1170V	11100101010
RDT    4822 051 30472   CHIP, 22K0 ±5% 1/16W   NN05472610   RESP   RES				•						
REDT	RD69		4822 051 30472	CHIP, 4.7KΩ ±5% 1/16W	NN05472610			4822 051 30153	CHIP, $15K\Omega \pm 5\% 1/16W$	NN05153610
R27	RD70		4822 051 30472	CHIP, 8.2KΩ ±5% 1/16W	NN05472610	RE86				
Magaza   M				•				4822 051 30104	CHIP 100KO ±5% 1/16W	NN05104610
PD75   PD75   PD76   PD76   PD77			4000 054 00000	CUID COKO ±50/ 1/16W	NNOCOCCAC					
R075   R020   S1 9472   Phill   ATAC   ±5% 116W   Phill   ATAC   ±5%			4822 051 30222	CHIP, 2.2KW 15% 1/10W	ININU522261U					
PID	RD74					RE91				
PID	RD75		4822 051 30472	CHIP, 4.7KΩ ±5% 1/16W	NN05472610	RE92		4822 116 83212	CHIP, 18KΩ ±5% 1/16W	NN05183610
RD06   RD06   RD07						1			CHIP. 100KΩ ±5% 1/16W	NN05104610
RDB    4822 051 30103   AB22 051 30104   AB22 051 30105   AB22 051 30107   AB22 051 30103   AB22 051 30107   AB22 051 30101   AB22 051 30101   CHIP, 1000 ±5% 1/16W   NN05103610   RB99	E 1		1	*		1			•	
RDS										
REDI   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM91   4822 051 30105   CHIP, 10MΩ ±5% 1/16W   NN05105101   RM91   4822 051 30105   CHIP, 10MΩ ±5% 1/16W   NN05105101   RM93   4822 051 30105   CHIP, 10MΩ ±5% 1/16W   NN05105101   RM94   4822 051 30105   CHIP, 10MΩ ±5% 1/16W   NN05105101   RM94   4822 051 30102   CHIP, 10KΩ ±5% 1/16W   NN05505101   RM94   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05105101   RM94   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05105101   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   LM91   4822 116 82487   CHIP, 0 Q 1/16W   NN05000610   RM96   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103510   CHIP, 10	RD80		4822 117 10158		GG05010140					
REDI   4822 051 30103	RD81		4822 051 30472	CHIP, 4.7KΩ ±5% 1/16W	NN05472610	RE96		4822 051 30333	CHIP, 33KΩ ±5% 1/16W	NN05333610
REFOI   4822 051 30103   CHIP, 100 D ±5% 1/16W   NN05101510   RM91   4822 051 30105   CHIP, 100 D ±5% 1/16W   NN05101510   RM92   4822 051 300561   CHIP, 100 D ±5% 1/16W   NN05101510   RM92   4822 051 300561   CHIP, 560 D ±5% 1/16W   NN05501510   RM94   4822 051 300561   CHIP, 560 D ±5% 1/16W   NN05501510   RM95   4822 051 300561   CHIP, 100 D ±5% 1/16W   NN05501510   RM96   4822 051 300561   CHIP, 100 D ±5% 1/16W   NN05501510   RM96   4822 051 300561   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   LM91   4822 116 82467   CHIP, 0 D ±1/6W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   LM91   4822 116 82467   CHIP, 0 D ±1/6W   NN05503510   RM96   4822 051 30003   CHIP, 100 D ±5% 1/16W   NN05503510   CHIP				-					CHIP. 27KQ ±5% 1/16W	NN05273610
RED2   4822 051 30101   CHIP, 1000 ±5% 1/16W   NN05101510   RM95   4822 051 30561   CHIP, 1500 ±5% 1/16W   NN05101510   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05101510   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05101510   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05101510   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30862   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30103   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30103   CHIP, 1600 ±5% 1/16W   NN05102610   RM95   4822 051 30759   CHIP, 1000 ±5% 1/16W   NN05102610   LM91   4822 116 82487   CHIP, 0.0 1/16W   NN05000610   RM95   4822 051 30103   CHIP, 1600 ±5% 1/16W   NN05102610   CHIP, 1000 ±5% 1/16W   NN05102610   CHIP, 1000 ±5% 1/16W   NN05102610   CHIP, 1000 ±5% 1/16W   NN05103610   CHIP, 1000 ±5% 1/16W   NN0510361	5		4000 054 00400	CHID 10KO +50/ 1/10M	MINIOE 4 OCC 4 O	11237		,ULL 001 00E10	J 12/1011	
REGI   4822 051 30101   CHIP, 1000 ± 5% 1/16W   NN05101610   RM92   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05101610   RM93   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05101610   RM94   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05101610   RM95   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05101610   RM95   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05102610   RM95   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05102610   RM96   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05102610   RM96   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05102610   RM96   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05102610   RM96   4822 051 30102   CHIP, 1000 ± 5% 1/16W   NN05102610   RM96   4822 051 30103   CHIP, 1000 ± 5% 1/16W   NN05102610   RM96   4822 051 30103   CHIP, 2000 ± 5% 1/16W   NN05102610   RM96   4822 051 30103   CHIP, 2000 ± 5% 1/16W   NN05102610   RM96   4822 051 30103   CHIP, 2000 ± 5% 1/16W   NN05102610   RM96   4822 051 30103   CHIP, 2000 ± 5% 1/16W   NN05102610   CHIP, 2000 ± 5% 1/16W   NN051026				•						
RE07   RE08   4822 051 30101   CHIP, 100 Ω ±5% 1/16W   NNO5103610   RM93   RM94   RM94   RM94   RM96   RM97   RM96   RM96   RM97   RM96   R	RE02		4822 051 30101	CHIP, 100 Ω ±5% 1/16W	NN05101610	RM91		4822 051 30154	CHIP, 150K $\Omega$ ±5% 1/16W	.NN05154610
REDI   4822 051 30101   CHIP, 100	BE03		4822 051 30101	CHIP, 100 Ω ±5% 1/16W	NN05101610	RM92		4822 051 30561	CHIP, 560 Ω ±5% 1/16W	NN05561610
RE07				·	l l	1			CHIP 820 +5% 1/16W	NN05820610
RE10   RE20   Section 2013   CHIP, 47KΩ ±5% 1/16W   NNO5103610   RMS7   RMS6   RMS7			4022 031 30101	OIM , 100 2 20 70 17 10 17	11100101010					
REID	RE07				·		·			
RE11	1		4822 051 30473	CHIP, 47K $\Omega$ ±5% 1/16W	NN05473610	RM96				NN05103610
RE11	RF10					RM97		4822 051 30103	CHIP, 10K Ω ±5% 1/16W	NN05103610
RE12			4000 054 00400	CHIP 10KO +5% 1/16W	NN05103610				*	NN05103610
RE13				•						
RE14   RE15   4822 051 30102   CHIP, 1KΩ ±5% 1/16W   NN05203610   LM91   4822 116 82487   CHIP, 0Ω 1/16W   NN05000610   LM91   4822 209 33812   LM91   LM91   4822 209 33812   LM91	RE12		4822 051 30103							
RE15   4822 051 30223   CHIP, 22KΩ ±5% 1/16W   NN05223610   LM91   4822 116 82487   CHIP, 0Ω 1/16W   NN05000610   NN05000610   NN05000610   NN05000610   CHIP, 10KΩ ±5% 1/16W   NN05103610   CD01   4822 209 33812   C, TDA1305T DAC   HC10122490   C	RE13		4822 051 30102	CHIP, 1KΩ ±5% 1/16W	NN05102610	RR99		4822 116 82487	CHIP, 0Ω 1/16W	NN05000610
RE15   4822 051 30223   CHIP, 22KΩ ±5% 1/16W   NN05223610   LM91   4822 116 82487   CHIP, 0Ω 1/16W   NN05000610   NN05000610   NN05000610   NN05000610   CHIP, 10KΩ ±5% 1/16W   NN05103610   CD01   4822 209 33812   C, TDA1305T DAC   HC10122490   C			4822 051 30102	CHIP. 1KΩ ±5% 1/16W	NN05102610				·	
RE16   4822 051 30223   CHIP, 22KΩ ±5% 1/16W   NN05223610   LR91   4822 116 82487   CHIP, 0 Ω 1/16W   NN05000610     RE27			i i	· · · · · · · · · · · · · · · · · · ·		LAAO1		1000 116 00107	CHIP OO 1/16W	NN05000610
RE17									•	
1	RE16		4822 051 30223	CHIP, 22KΩ ±5% 1/16W	NN05223610	LR91		4822 116 82487	CHIP, 0Ω 1/16W	NNUSUUUGIU
1					1			'		
4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103610   QD01   QD02   4822 209 33812   IC, TDA1305T DAC   HC10122490   H	RE17			*	1		i		PD04-SEMICONDUCTORS	
RE20   RE21   4822 051 30153   CHIP, 15KΩ ±5% 1/16W   NN05153610   QD03   4822 209 33812   IC, TDA1305T DAC   HC10122490   HC1012249	1		4000 054 20402	CHIP 10KO +5% 1/16W	NN05103610	0001		4922 200 22912		HC10122490
RE21	1		4022 001 00100	Offil , 10K2 25/6 1/1044	111103103010				'	
RE22	RE20									
RE22	RE21		4822 051 30153	CHIP, $15K\Omega \pm 5\% 1/16W$	NN05153610	QD03		4822 209 33812	IC, TDA1305T DAC	HC10122490
RE23			4822 051 30153	CHIP. 15KΩ ±5% 1/16W	NN05153610	QD05		4822 209 83357	IC. NJM4560M	HC10029090
RE24   4822 051 30103   CHIP, 10KΩ ±5% 1/16W   NN05103610   QD07   QD09   A822 209 83357   IC, NJM4560M   HC10029090			1	· ·						
RE25   RE26   A822 051 30104   CHIP, 100KΩ ±5% 1/16W   NN05104610   QD10   A822 209 83357   IC, NJM4560M   HC10029090   HC1029090   HC10029090   HC10029090   HC1029090   HC10029090   HC1029			1	•					·	1
RE26			4822 051 30103	CHIP, 10KΩ ±5% 1/16W	NNU5103610	1				
RE26	RE25		ļ	Ì	1	QD09		4822 209 83357	IC, NJM4560 <b>M</b>	
RE35			4822 051 30104	CHIP, 100KΩ ±5% 1/16W	NN05104610	QD10		4822 209 83357	IC, NJM4560M	HC10029090
RE35									·	HC10029090
Head						4 1			· ·	
RE38       4822 051 30103       CHIP, 10KΩ ±5% 1/16W       NN05103610       QE04       4822 209 14869       IC, NJU7311AM ANA. SW       HC10151090         RE40       4822 051 30103       CHIP, 10KΩ ±5% 1/16W       NN05103610       I       4822 209 71451       IC, NJM4558M FLAT       HC10011090         RE41       4822 051 30102       CHIP, 1KΩ ±5% 1/16W       NN05102610       QE14       CHIP, 1KΩ ±5% 1/16W       NN05102610       QM91       CHIP, 1C, NJM4558M FLAT       HC10011090         RE42       4822 051 30102       CHIP, 2KΩ ±5% 1/16W       NN05102610       QM91       CHIP, 2SC4081 (Q, R)       HX300012A0         RE43       4822 051 30223       CHIP, 2KΩ ±5% 1/16W       NN05223610       QM92       4822 209 71451       IC, NJM4558M FLAT       HC10011090         RE44       4822 051 30103       CHIP, 2KΩ ±5% 1/16W       NN05103610       JD01       PD04-MISCELLANEOUS       PLUG, TKC-G12P-B1       YP06020940         RE50       PLUG, TKC-G12P-B1       PLUG, TKC-G12P-B1       YP06020940				OURD ATIVO TEOUTION		1 1			'	
RE39 $A822 051 30103$ $A822 051 30102$ $A822 051 30223$ $A822 051 30203$ $A822 051 30223$ $A822 051 30223$ $A822 051 30223$ $A822 051 30103$ $A822 051 30104$			4822 051 30473	CHIP, 4/KΩ ±5% 1/16W	NN05473610			4822 209 32442		
RE39 $A822 051 30103$ $A822 051 30102$ $A822 051 3023$ $A822 051 30103$ $A822 051 30104$ $A822 051 30$	RE38		l		l l	QE04		4822 209 14869	IC, NJU7311AM ANA. SW	HC10151090
RE40       4822 051 30103       CHIP, 10KΩ ±5% 1/16W       NN05103610       I       4822 209 71451       IC, NJM4558M FLAT       HC10011090         RE41       4822 051 30102       CHIP, 1KΩ ±5% 1/16W       NN05102610       QM91       CHIP TR., 2SC4081 (Q, R)       HX300012A0         RE43       4822 051 30223       CHIP, 2ZKΩ ±5% 1/16W       NN05223610       QM92       A822 209 71451       CHIP TR., 2SC4081 (Q, R)       HX300012A0         RE45       4822 051 30103       CHIP, 2ZKΩ ±5% 1/16W       NN05223610       QM92       A822 209 71451       IC, NJM4558M FLAT       HC10011090         RE50       HE50       HE50       CHIP, 10KΩ ±5% 1/16W       NN05103610       JD01       JD01       PD04-MISCELLANEOUS       PLUG, TKC-G12P-B1       YP06020940         RE51       HE56       HE56       A822 051 30104       CHIP, 100KΩ ±5% 1/16W       NN05104610       JD03       JR01       TERMINAL, 1P YKC21-3707       TERMINAL, 1P YKC21-3707       TERMINAL, 1P YKC21-3707       TERMINAL, 1P YKC21-3707       YT02011030       YT02011030       YJ15000150         RE65       4822 051 30473       CHIP, 47KΩ ±5% 1/16W       NN05473610       JR03       A822 218 11487       OPT. CONNECTOR, GP1F32R       YJ15000150			4822 051 30103	CHIP. 10KΩ ±5% 1/16W	NN05103610					l
RE41						1		4999 200 71451	IC NUMBERDA EL AT	HC10011000
RE42       4822 051 30102       CHIP, 1KΩ ±5% 1/16W       NN05102610       QM91       CHIP TR., 2SC4081 (Q, R)       HX300012A0         RE43       4822 051 30223       CHIP, 22KΩ ±5% 1/16W       NN05223610       QM92       4822 209 71451       IC, NJM4558M FLAT       HC10011090         RE45       4822 051 30103       CHIP, 10KΩ ±5% 1/16W       NN05103610       JD01       PD04-MISCELLANEOUS       PLUG, TKC-G12P-B1       YP06020940         RE51       JD02       JD03       PLUG, TKC-G12P-B1       YP06020940       YP06020940 <td< td=""><td></td><td></td><td></td><td>· ·</td><td></td><td> </td><td></td><td>7022 208 / 1431</td><td>IO, NUMPOSSIVI FEAT</td><td>.1010011080</td></td<>				· ·				7022 208 / 1431	IO, NUMPOSSIVI FEAT	.1010011080
RE43       4822 051 30223       CHIP, 22KΩ ±5% 1/16W       NN05223610       QM92       4822 209 71451       2SC4116 (Y, GR)       HC10011090         RE45       I       4822 051 30103       CHIP, 10KΩ ±5% 1/16W       NN05103610       JD01       PD04-MISCELLANEOUS       PLUG, TKC-G12P-B1       YP06020940         RE50       RE51       JD02       JD03       PLUG, TKC-G12P-B1       YP06020940         RE56       PLUG, TKC-G12P-B1       YP06020940       YP06020940         RE61       4822 051 30104       CHIP, 100KΩ ±5% 1/16W       NN05104610       JR02       TERMINAL, 1P YKC21-3707       TERMINAL, 1P YKC21-3707       TERMINAL, 1P YKC21-3707       TERMINAL, 1P YKC21-3707       YT02011030         RE62       4822 051 30104       CHIP, 100KΩ ±5% 1/16W       NN05104610       JR03       4822 218 11487       OPT. CONNECTOR, GP1F32R       YJ15000150	RE41		4822 051 30102		NN05102610					
RE43       4822 051 30223       CHIP, 22KΩ ±5% 1/16W       NN05223610       QM92       4822 209 71451       2SC4116 (Y, GR)       HC10011090         RE45       I       4822 051 30103       CHIP, 10KΩ ±5% 1/16W       NN05103610       JD01       PD04-MISCELLANEOUS       PLUG, TKC-G12P-B1       YP06020940         RE50       RE51       JD02       JD03       PLUG, TKC-G12P-B1       YP06020940         RE56       PLUG, TKC-G12P-B1       YP06020940       YP06020940         RE61       4822 051 30104       CHIP, 100KΩ ±5% 1/16W       NN05104610       JR02       TERMINAL, 1P YKC21-3707       TERMINAL, 1P YKC21-3707       TERMINAL, 1P YKC21-3707       TERMINAL, 1P YKC21-3707       YT02011030         RE62       4822 051 30104       CHIP, 100KΩ ±5% 1/16W       NN05104610       JR03       4822 218 11487       OPT. CONNECTOR, GP1F32R       YJ15000150	RE42		4822 051 30102	CHIP, 1KΩ ±5% 1/16W	NN05102610	QM91	l		CHIP TR., 2SC4081 (Q, R)	HX300012A0
RE44 RE45 RE45 RE45 RE50 RE51 RE56 RE61 RE62 RE65 RE65 RE65 RE65 RE65 RE65 RE65 RE65					NN05223610				2SC4116 (Y. GR)	
RE45 I 4822 051 30103 CHIP, $10$ KΩ $\pm 5$ % $1/16$ W NN05103610 RE51 I 4822 051 30104 CHIP, $10$ 0KΩ $\pm 5$ % $1/16$ W NN05104610 RE61 4822 051 30104 CHIP, $10$ 0KΩ $\pm 5$ % $1/16$ W NN05104610 RE62 4822 051 30104 CHIP, $10$ 0KΩ $\pm 5$ % $1/16$ W NN05104610 NN05104610 JR02 TERMINAL, $1$ P YKC21-3707 YT02011030 YT02011030 NN05104610 NN05473610				'		OMO		4922 200 71451	,	HC10011000
Head of the process of the proces			4022 051 30223	OTHE, ZZNM 15% 1/10W	010522CUNN	QM92		4022 209 / 1451	IO, NUIVI4000IVI FLAT	11010011090
RE50 RE51	RE45				l l	]				
RE50 RE51	1		4822 051 30103	CHIP, $10K\Omega \pm 5\% 1/16W$	NN05103610	1			PD04-MISCELLANEOUS	
RE51   4822 051 30104   CHIP, 100KΩ ±5% 1/16W   NN05104610   JD03   JR01   TERMINAL, 1 P YKC21-3707					1	JD01			PLUG, TKC-G12P-B1	YP06020940
1					1				•	
RE56 RE61 4822 051 30104 CHIP, 100KΩ ±5% 1/16W NN05104610 NN05104610 NN05104610 NN05104610 NN05104610 NN05104610 NN05473610 NN05473	HE51								•	
RE61       4822 051 30104       CHIP, 100K Ω ±5% 1/16W       NN05104610       JR02       JR02       TERMINAL, 1P YKC21-3707       YT02011030         RE62       4822 051 30104       CHIP, 100K Ω ±5% 1/16W       NN05104610       JR03       4822 218 11487       OPT. CONNECTOR, GP1F32R       YJ15000150         NN05473610	l l		4822 051 30104	CHIP, 100KΩ ±5% 1/16W	NN05104610				PLUG, TKC-G12P-B1	3
RE61 4822 051 30104 CHIP, 100KΩ ±5% 1/16W NN05104610 JR02 4822 051 30104 CHIP, 100KΩ ±5% 1/16W NN05104610 JR03 4822 051 30473 CHIP, 47KΩ ±5% 1/16W NN05473610 JR03 4822 218 11487 OPT. CONNECTOR, GP1F32R YJ15000150 CHIP, 47KΩ ±5% 1/16W NN05473610	RE56					JR01		İ	TERMINAL, 1P YKC21-3707	YT02011030
RE62 4822 051 30104 CHIP, 100KΩ ±5% 1/16W NN05104610 NN05473610 JR03 4822 218 11487 OPT. CONNECTOR, GP1F32R YJ15000150 NN05473610			4822 051 30104	CHIP, 100KΩ ±5% 1/16W	NN05104610	JR02			TERMINAL, 1P YKC21-3707	YT02011030
RE65 4822 051 30473 CHIP, 47KΩ ±5% 1/16W NN05473610						B		4822 218 11497	· ·	1
				· ·		0,100		7022 210 1140/	5. 1. 55KHLOTON, GF 11 5211	1.5,5000100
11 PCS 88 470	RE65		4822 051 30473	UHIP, 4/KΩ ±5% 1/16W	NNU5473610					
20.55 (77)	L					I				
									_	00.00.470

(VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE) (VERS. :VERSION, U:U.S.A., F:JAPAN, K:FAR EAST, **:EUROPE)									
POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)	POS. NO	VERS. COLOR	PART NO. (FOR PCS)	DESCRIPTION	PART NO. (MJI)
LD01					SP03		4822 277 21718	SLIDE SW., SSSS9-23Z	SS02030560
LDUI		4822 242 73843	EMI FILTER,	FM12223010	SP04			SLIDE SW., SSSS92	SS02021470
LD04		4022 242 / 3040	DSS306-91-F-223Z	FM12223010	SP05		4822 277 21712	SLIDE SW., SSSS92	SS02021470
LD04			D00000-91-1 -2202	110112220010	0,00	İ	102227721712		
LM91		4822 116 82487	CHIP, 0Ω 1/16W	NN05000610	1	ļ		PV04-TRIM VOLUME CIRCUIT	
LR91		4822 116 82487	CHIP, 0Ω 1/16W	NN05000610				BOARD	
Lngi		4022 110 02407	0, m , o n n n n n	111100000010				PV04-CAPACITORS	
			PU04-FRONT CIRCUIT BOARD		CV01			TO TO THE TOTAL OF	
			1 004-1 HORT ONTOON BOARD		1	1	4822 124 21894	ELECT., 10 μF 16V	EJ10601610
			PU04-CAPACITORS		CV06		1022 12121001	22201, 10,41	
CU01		4822 126 11558	CER., 0.1 µF ±20% 50V	DA17104110	CV13				
CU02		4822 126 10513	CER., 47PF ±5%	DA15470110	1		4822 124 21894	ELECT., 10 μF 16V	EJ10601610
CU02		4822 126 11558	CER., 0.1 µF ±20% 50V	DA17104110	CV18		1022 12 12 100 1		
CU04		4822 124 80651	ELECT., 100 µF 6.3V	EG10700650	CV53				
CU04		4822 124 80051	CER., 0.1 µF ±20% 50V	DA17104110	0,00		4822 122 40588	CER., 22000PF ±20%	DA17223110
CUUS		4022 120 11000	CLN., 0.1 μ1 ±20 /6 30 V	DA17104110	CV64		4022 122 40300	25V	D/(// 225110
			PU04-RESISTORS		CV04			250	
DUIA		4000 000 40404	100Ω ±5% 1/6W	GG05101160				PV04-CAPACITORS (COMMON)	
RU13		4822 052 10101		GG05101160	C***			ELECTROLYTIC CAP.	
RU17		4822 052 10101	100Ω ±5% 1/6W	GG05101160	C			TOLERANCE ±20%	
			DUGA DECICEODACOMACAN						1
D***			PU04-RESISTOR(COMMON)					CV51, CV52	
R***			CARBON FILM FIXED RES., ±5% 1/6W:RU01-RU12, RU14-					PV04-RESISTORS	
					D)/04			PV04-NESISTONS	
			RU16, RU21-RU26		RV01		4000 404 44000	VADIADIE ENVIVI ON ENNI	RK05030850
		-	DUM CENICONDUCTORS		DV00		4822 101 11662	VARIABLE, 50K(K) L=22.5MM	HK02030630
DUGG			PU04-SEMICOMDUCTORS		RV06				
DU03		1000 100 01715	LED LECKAR ODEEN	11140005000				DV04 DECICTOD/COMBION	
. I		4822 130 81715	L.E.D., LT3K44B GREEN	HI10095320				PV04-RESISTOR(COMMON)	
DU07		4000 400 00000	E D   T0D0D DED	11140000000	<u>R***</u>			CARBON FILM FIXED RES.,	
DU08		4822 130 80326	L.E.D., LT3D8B RED	HI10062320				±5% 1/16W:	
DU09		4822 130 80325	L.E.D., LT3H8B AMBR	HI10064320				RV11-RV22, RV29-RV46	
DU10		4822 130 80326	L.E.D., LT3D8B RED	HI10062320	1			DUG 4 OF MICONDUCTORS	
DU11		4822 130 80326	L.E.D., LT3D8B RED	HI10062320				PV04-SEMICONDUCTORS	
DU12		4822 130 81715	L.E.D., LT3K44B GREEN	HI10095320	QV01				11040007000
DU13		4822 130 32362	DIODE, 1SS176, MA165,	HD20002000			4822 209 83274	IC, NJM4560D	HC10007090
			1SS25430V 0.1A	1,11,11,000,001,0	QV06				
QU01		4822 130 10684	PHOTO UNIT, RPM-674CBR-L	HW10003210	İ		·	DV54 114 OTED VOLUME	
QU02		4822 130 42298	TRS., (2SC) C536SP, C2458,	HT30001000				PV54-MASTER VOLUME	
			C3311, C1740S					CIRCUIT BOARD	
QU03		4822 130 42715	TRS., (2SA) A608SP, A1048,	HT10001000				PV54-CAPACITOR	D. 17000110
			A1309, A933S		▲ CV90		4822 122 40588	CER., 22000PF ±20% 25V	DA17223110
			PU04-MISCELLANEOUS						
JU01			JACK, FFC CONNECTOR	YJ07011990					
								BUE 4 A 4 B 4 A 4 B 4 A 4 B 4 A 4 B 4 B 4 B	
SU01			·					PV54-CAPACITORS (COMMON)	i
I		4822 276 20508	PUSH SW., ALPS-SKHVAE	SP01011280	C***			ELECTROLYTIC CAP.	
SU07				*	1			TOLERANCE ±20%	
						Ì		CV91, CV92	
			PU54-SPK SW CIRCUIT	<b>.</b>					
			BOARD					PV54-RESISTOR	
			PU54-CAPACITORS		RV99	1	4822 101 11663	VARIABLE, 50K(VB)X6 MOTOR	RG05030230
CP01		4822 126 10513	CER., 47PF ±5%	DA15470110	1				
CP02		4822 126 10513	CER., 47PF ±5%	DA15470110				PV54-RESISTOR(COMMON)	
CP03		4822 126 10513	CER., 47PF ±5%	DA15470110	<u>R***</u>			CARBON FILM FIXED RES.,	
CP04		4822 126 11558	CER., 0.1 μF ±20% 50V	DA17104110				±5% 1/16W:RV91-RV96	
	1	1							
	ļ		PU54-RESISTOR(COMMON)		1	l	1		
<u>R***</u>	1		CARBON FILM FIXED RES.,		1				
			±5% 1/16W:RP01, RP03-RP09						
	l				1				
	]		PU54-MISCELLANEOUS				1		
SP01	1	4822 277 21712	SLIDE SW., SSSS92	SS02021470				1	
SP02	1	4822 277 21718	SLIDE SW., SSSS9-23Z	SS02030560	1		[		1
		]			1		1	İ	l